

# CIA. SIDERURGICA DE CALIFORNIA, S.A. DE C.V.

MATRIZ:  
 AV. LAZARO CARDENAS No. 601  
 EDIF. "A" 3° PISO  
 COLONIA LA NOGALERA  
 TEL.:(01-33) 36-69-57-57 FAX: 38-11-82-02  
 C.P. 44440 GUADALAJARA, JALISCO, MEXICO.

PLANTA GUADALAJARA

SUCURSAL:  
 LOTES 1 Y 2 INT. "A" COLONIA COLORADO No. 4  
 DELEGACION CERRO PRIETO  
 TELS:(01-686) 5-62-89-89 Y 58 FAX: 5-62-02-91  
 APDO. POSTAL 9-12 Y 9-14 MEXICALI  
 P.O.BOX 872-197 CAL EXICO, CA. 92232  
 C.P. 21030 MEXICALI, B.C., MEXICO.

## Certificado de Calidad Quality Certificate

No.REMISION PACKING LIST No.	26844	FECHA DATE	21/06/2005	HORA TIME	23:49:26	No.CLIENTE CUSTOMER No.	7090	ALMACEN BRANCH	41827	R55370001	
SOLD TO: VENDIDO A:	ACEROS TEPOTZOTLAN, S.A. DE C.V.		ENVIADO A: SHIP TO:	ACEROS TEPOTZOTLAN, S.A. DE C.V. CARRETERA MEXICO-QUERETARO KM. 37.5 PARQUE INDUSTRIAL CUAMATLA CUAUTITLAN IZCALLI MEX CP:54730 MEX RFC:ATE-851220-7C8		CONSIGNAR A: C.BROKER:					
TRANSPORTE SHIP VIA	9830	Transportista Dummy Terrestre		No.GUIA SHIPMENT No.	23172	No.PLACAS LOC.PLATES	631 DB5	O/E ?	E	USUARIO USER	IARAMIREZ

### ANALISIS QUIMICOS/CHEMICAL ANALYSIS

COLADA HEAT	Grado de Acero	%P	%S	%Sn	%C	%Cu	%Mo	%Si	%Ni	%Cr	%V	%Mn	%Nb	%Ti	C.Es	I.G.
361757	ASTM A36	.005	.041	.013	.220	.230	.028	.250	.150	.160	.003	.730	.001	.002		
361758	ASTM A36	.026	.043	.014	.210	.260	.034	.170	.110	.180	.008	.990	.001	.002		
361759	ASTM A36	.016	.026	.023	.180	.350	.022	.220	.120	.130	.006	.820	.001	.002		

### ANALISIS MECANICOS Y FISICOS/MECHANICAL AND PHYSICAL PROPERTIES

COLADA HEAT	Norma de Fabricacion Product Specification	Lim.Elast. Yield Strength (Lb/In <sup>2</sup> )	Esf.Max. Tensile Strength (Lb/In <sup>2</sup> )	Elong. (%)	Dureza Hardness	Estructura Estructure	Inclusiones Cleaness	Tamaño Grano Grain Size	Descarbur.	Doblez	Res / Oval
361757	ASTM A6/A 6M-94a	54,505	76,831	26							
361758	ASTM A6/A 6M-94a	58,415	80,999	27							
361759	ASTM A6/A 6M-94a	53,052	74,904	28							

COLADA HEAT	Producto Item	Atados por Colada Bundles by Heat
361757	CANAL 6L 12.2KG A36 152.4MM	TFE03439 TFE03440 TFE03441 TFE03442 TFE03443 TFE03444 TFE03447 TFE03448
361758	CANAL 6L 12.2KG A36 152.4MM	TFE03410 TFE03429 TFE03430 TFE03433 TFE03435 TFE03436 TFE03437 TFE03438
361759	CANAL 6L 12.2KG A36 152.4MM	TFE03415 TFE03416 TFE03422 TFE03427 TFE03428

CIA. SIDERURGICA DE GUADALAJARA,  
 S.A. de C.V.  
 DEPTO. 05  
 Firma y Sello

ASEGURAMIENTO DE CALIDAD

# CIA. SIDERURGICA DE CALIFORNIA, S.A. DE C.V.

8146

MATRIZ:

PLANTA GUADALAJARA

SUCURSAL:

AV. LAZARO CARDENAS No. 601

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## Certificado de Calidad

## Quality Certificate

No.REMISION  
PACKING LIST No.

13360

FECHA  
DATE

28/07/04

HORA  
TIME

10:30:58

No.CLIENTE  
CUSTOMER No.

7090

ALMACEN  
BRANCH

41827

R55370001

SOLD TO:  
VENDIDO A:

ACEROS TEPOTZOTLAN, S.A. DE C.V.

ENVIADO A:  
SHIP TO:

ACEROS TEPOTZOTLAN, S.A. DE C.V.

CONSIGNAR A:  
C.BROKER:

KM. 37.5 AUTOPISTA MEXICO-QUERETARO  
CUAUTITLAN IZCALLI  
CUAUTITLAN IZCALLI MEX CP:54730

KM. 37.5 AUTOPISTA MEXICO-QUERETARO  
CUAUTITLAN IZCALLI  
CUAUTITLAN IZCALLI MEX CP:54730

MEX

MEX

RFC:ATE-851220-7C8

RFC:ATE-851220-7C8

9830

Transportista Dummy Terrestre

No.GUIA  
SHIPMENT No.

19529

No.PLACAS  
LOC.PLATES

059 BS3

O/E  
?

E

USUARIO  
USER

JACASTILLO

### ANALISIS QUIMICOS/CHEMICAL ANALYSIS

COLADA HEAT	Grado de Acero	%P	%S	%Sn	%C	%Cu	%Mo	%Si	%Ni	%Cr	%V	%Mn	%Nb	%Ti	C.Es	I.G.
357997	ASTM A36	.011	.019	.020	.180	.500	.022	.210	.250	.120	.014	.660	.001	.003		
358003	ASTM A36	.006	.032	.011	.180	.340	.017	.180	.110	.070	.001	.610	.001	.001		
358004	ASTM A36	.004	.027	.012	.160	.360	.019	.200	.100	.070	.001	.620	.001	.001		
358005	ASTM A36	.005	.023	.011	.160	.400	.025	.200	.110	.090	.002	.610	.001	.001		

### ANALISIS MECANICOS Y FISICOS/MECHANICAL AND PHYSICAL PROPERTIES

COLADA HEAT	Norma de Fabricacion Product Especification	Lim.Elast. Yield Strength (Lb/In2)	Esf.Max. Tensile Strength (Lb/In2)	Elong. (%)	Dureza Hardness	Estructura Estructure	Inclusiones Cleaness	Tamaño Grano Grain Size	Descarbur. Descarbur.	Doblez	Rec/Oval.
357997	ASTM A6/A 6M-94a	50,076	71,752	27							
358003	ASTM A6/A 6M-94a	49,146	70,767	27							
358004	ASTM A6/A 6M-94a	48,144	69,490	27							
358005	ASTM A6/A 6M-94a	47,957	69,295	27							

COLADA HEAT	Producto Item	Atados por Colada Bundles by Heat
357997	U3 A36 1220	SEG06236 SEG06237
358003	U3 A36 1220	SEG06232 SEG06233 SEG06234 SEG06245 SEG06246
358004	U3 A36 1220	SEG06226
358005	U3 A36 1220	SEG06289

