

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

ESC.  
EST S/W

MATRIZ:  
AV. LAZARO CARDENAS No. 801  
EDIF. "A" 3° PISO  
COLONIA LA NOGALERA  
TEL: (01-33) 36-69-67-57 FAX: 36-11-82-02  
C.P. 44440 GUADALAJARA, JALISCO, MEXICO.

PLANTA GUADALAJARA

SUCURSAL:  
LOTES 1 Y 2 INT. "A" COLONIA COLORADO No. 4  
DELEGACION CERRRO PRIETO  
TELS: (01-686) 6-62-66-88 Y 68 FAX: 5-62-02-81  
APOD. POSTAL 9-12 Y 9-14 MEXICALI  
P.O.BOX 872-197 CALEXICO, CA. 92232  
C.P. 21030 MEXICALI, B.C., MEXICO.

## Certificado de Calidad Quality Certificate

No. REMISION PACKING LIST No.	21082	FECHA DATE	31/01/2005	HORA TIME	21:48:03	No. CUENTE CUSTOMER No.	28667	ALMACEN BRANCH	41827	R05370001	
SOLD TO: VENDEDOR A:	PLESA ANAHUAC Y CIAS, S.A. DE C.V.		ENVIADO A: SHIP TO:		PLESA ANAHUAC Y CIAS, S.A. DE C.V.		COMISAR A: C.BROKER:				
AV. VALLE DE LAS ALAMEDAS N.66-0 COL. SAN FRANCISCO CHILPAN TULTITLAN EM CP:54940			COL. SAN FRANCISCO CHILPAN TULTITLAN EM CP:54940			MEX RFC:PAC-040303-UY6					
TRANSPORTE SHIP VIA	9830	Transportista Dummy Terrestre		No. GUIA SHIPMENT No.	3508	No. PLACAS LOC. PLATES	588 BW3	OF	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.
360170	ASTM A36	.006	.034	.015	.190	.440	.027	.200	.170	.100	.002	.840	.002	.001		
360171	ASTM A36	.006	.032	.014	.190	.390	.029	.190	.150	.080	.002	.820	.001	.001		
360340	ASTM A36	.004	.035	.033	.210	.360	.030	.190	.140	.070	.001	.810	.001	.001		
451937	ASTM A36	.008	.032	.014	.190	.350	.013	.180	.090	.100		.850				
452249	ASTM A36	.014	.047	.012	.180	.420	.017	.190	.080	.120		.860				
452250	ASTM A36	.017	.036	.011	.240	.420	.015	.180	.180	.150		.890				
452251	ASTM A36	.013	.030	.029	.190	.390	.014	.170	.090	.120		.840				

### 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	Rec/Oval.
360170	ASTM A6/A 6M-94a	50,376	72,150	27							
360171	ASTM A6/A 6M-94a	49,332	70,964	27							
360340	ASTM A6/A 6M-94a	51,385	73,361	26							
451937	ASTM A6/A 6M-94a	50,560	72,350	27							
452249	ASTM A6/A 6M-94a	48,862	70,270	27							
452250	ASTM A6/A 6M-94a	55,634	78,343	26							
452251	ASTM A6/A 6M-94a	50,376	72,150	27							

COLADA HEAT	Producto Item	Atados por Colada Bundles by Heat
360170	SOL 3X3/8 A36 76.2X9.5MM	SFA00825
360171	SOL 3X3/8 A36 76.2X9.5MM	SFA00824
360340	RED 3/8 A36 9.52MM	SFA02169 SFA02170 SFA02188
451937	SOL 2-1/2X3/8 A36 83.5X9.5MM	SEK00824 SEK00825 SEK00823
452249	SOL 3X1/4 A36 76.2X6.3MM	SEK08237 SEK08236 SEK08239 SEM08248 SEK08249
452250	SOL 3X1/4 A36 76.2X6.3MM	SEK08273
452251	SOL 3X1/4 A36 76.2X6.3MM	SEK08229

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 DEPTO. DE EMBARQUES