

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

SUCURSAL:

MATRIZ:

PLANTA GUADALAJARA

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.

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 CALEXICO, CA. 92232  
 C.P. 21030 MEXICALI, B.C., MEXICO.

## Certificado de Calidad Quality Certificate

No. REMISION PACKING LIST No.: **25186**      FECHA DATE: **12/05/2005**      HORA TIME: **10:44:26**      No. CLIENTE CUSTOMER No.: **28657**      ALMACEN BRANCH: **41827**      R55370001

SOLD TO: VENDIDO A: PLESA ANAHUAC Y CIAS, S.A. DE C.V.  
 AV. VALLE DE LAS ALAMEDAS N.66-O  
 COL. SAN FRANCISCO CHILPAN TULTITLAN EM CP:54940  
 MEX  
 RFC:PAC-040303-UY6

ENVIADO A: SHIP TO: PLESA ANAHUAC Y CIAS, S.A. DE C.V.  
 AV. VALLE DE LAS ALAMEDAS N.66-O  
 COL. SAN FRANCISCO CHILPAN TULTITLAN EM CP:54940  
 MEX  
 RFC:PAC-040303-UY6

CONSIGNAR A: C.BROKER:

TRANSPORTE SHIP VIA: **9830**      Transportista Dummy Terrestre      No. GUIA SHIPMENT No.: **1220**      No. PLACAS LOC.PLATES: **622 CT5**      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. |
|-------------|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 361967      | ASTM A36       | .011 | .050 | .022 | .200 | .360 | .020 | .210 | .150 | .080 | .002 | .710 | .001 | .001 |      |      |
| 361968      | ASTM A36       | .019 | .050 | .019 | .260 | .380 | .029 | .230 | .230 | .100 | .002 | .770 | .001 | .002 |      |      |
| 362068      | ASTM A36       | .006 | .031 | .023 | .190 | .390 | .041 | .230 | .220 | .110 | .002 | .690 | .001 | .001 |      |      |
| 362077      | ASTM A36       | .008 | .032 | .018 | .210 | .380 | .040 | .210 | .150 | .100 | .003 | .700 | .001 | .002 |      |      |
| 362079      | ASTM A36       | .012 | .040 | .016 | .170 | .370 | .035 | .220 | .170 | .100 | .003 | .830 | .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. | Doblez | Rec/Oval. |
|-------------|---|------------------------------------|------------------------------------|------------|-----------------|-----------------------|----------------------|-------------------------|------------|--------|-----------|
| 361967      | ASTM A6/A 6M-94a                            | 52,435                             | 74,479                             | 26         |                 |                       |                      |                         |            |        |           |
| 361968      | ASTM A6/A 6M-94a                            | 59,376                             | 82,446                             | 26         |                 |                       |                      |                         |            |        |           |
| 362068      | ASTM A6/A 6M-94a                            | 51,296                             | 73,150                             | 27         |                 |                       |                      |                         |            |        |           |
| 362077      | ASTM A6/A 6M-94a                            | 53,050                             | 75,170                             | 26         |                 |                       |                      |                         |            |        |           |
| 362079      | ASTM A6/A 6M-94a                            | 52,588                             | 74,268                             | 28         |                 |                       |                      |                         |            |        |           |

| COLADA HEAT | Producto Item               | Atados por Colada Bundles by Heat            |
|-------------|-----------------------------|--|
| 361967      | CANAL 6L 12.2KG A36 152.4MM | TFD03507 TFD03508 TFD03509 TFD03517 TFD03518 |
| 361968      | CANAL 6L 12.2KG A36 152.4MM | TFD03524 TFD03525 TFD03526 TFD03534          |
| 362068      | CANAL 4 8KG A36 101.6MM     | DFE00600                                     |
| 362077      | CANAL 4 8KG A36 101.6MM     | DFE00345 DFE00346 DFE00347                   |
| 362079      | CANAL 4 8KG A36 101.6MM     | DFE00521 DFE00522 DFE00523                   |

**CIA. SIDERURGICA DE GUADALAJARA, S.A. DE C.V.**  
**DEPTO. DE EMBARQUES**

ASEGURAMIENTO DE CALIDAD