

CERTIFICADO DE CALIDAD DE PRODUCTO TERMINADO

DATOS GENERALES:

FECHA/HORA: 07/02/06 21:57:01

CLIENTE: PLESA ANAHUAC Y CIAS, S.A. DE

PEDIDO: 144431 CONTRATO: 901 REMISION: 317858-1

PRODUCTO: CANAL 6" (LIV) 8.2LB/FT 152.4GRADO DE ACERO ASTM A36/A36M-94

ESPECIFICACION PRODUCTO: ASTM A6/94 EMBARQUE: RODRIGUEZ BAUTISTA

PESO TEORICO (KG/MT): 12.202 LONGITUD (mts) 12.20 TERMINADO:

ANALISIS QUIMICOS:

| COLADA | % P   | % S   | % Sn  | % C   | % Cu  | % Mo  | % Si  | % Ni  | % Cr  | % V   | % Mn  | % Nb  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 365678 | .0060 | .0380 | .0240 | .1900 | .3000 | .0580 | .2000 | .1800 | .2100 | .0050 | .7400 | .0020 |

ANALISIS MECANICOS Y FISICOS:

| COLADA | LIMITE   | ESFUERZO | ALARGAMIENTO |
|--------|----------|----------|--------------|
|        | ELASTICO | MAXIMO   |              |
|        | (LB/IN2) | (LB/IN2) | %            |
| 365678 | 52,216   | 74,150   | 27           |

ATADOS DE LA COLADA

COLADA

|        |          |          |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 365678 | TGB00521 | TGB00522 | TGB00523 | TGB00524 | TGB00525 | TGB00526 | TGB00527 | TGB00528 | TGB00529 | TGB00530 |
| 365678 | TGB00531 | TGB00532 | TGB00533 | TGB00534 | TGB00535 | TGB00536 | TGB00537 | TGB00538 | TGB00541 | TGB00542 |
| 365678 | TGB00543 | TGB00544 |          |          |          |          |          |          |          |          |

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