

CERTIFICADO DE CALIDAD DE PRODUCTO TERMINADO

DATOS GENERALES:

FECHA/HORA: 19/04/06 12:03:21

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

PEDIDO: 145405 CONTRATO: 1315 REMISION: 321952-1

PRODUCTO: ANGULO 3"x3/8" 76.2X9.52MM GRADO DE ACERO ASTM A36/A36M-94

ESPECIFICACION PRODUCTO: ASTM A6/94 EMBARQUE: MENDOZA

PESO TEORICO(KG/MT): 10.714 LONGITUD(MLS) 12.20 TERMINADO:

ANALISIS QUIMICOS:

| COLADA | % P | % S | % Sn | % C | % Cu | % Mo | % Si | % NI | % Cr | % V | % Mn | % Nb |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|--------|------|
| 457926 | .0270 | .0410 | .0140 | .2500 | .4200 | .0140 | .1500 | .0900 | .1900 | | .7000 | |
| 458820 | .0200 | .0430 | .0190 | .2400 | .4500 | | .1900 | .1000 | .2300 | | 1.0700 | |

ANALISIS MECANICOS Y FISICOS:

| COLADA | LIMITE ELASTICO (LB/IN2) | ESFUERZO MAXIMO (LB/IN2) | ALARGAMIENTO % |
|--------|--------------------------|--------------------------|----------------|
| 457926 | 56,920 | 79,800 | 26 |
| 458820 | 62,702 | 80,000 | 28 |

ATADOS DE LA COLADA

| COLADA | | | | | | | | | | | |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|--|
| 457926 | DGC02513 | DGC02514 | DGC02515 | DGC02516 | DGC02517 | DGC02518 | DGC02519 | | | | |
| 458820 | DGC02524 | DGC02525 | DGC02526 | DGC02546 | DGC02547 | DGC02548 | DGC02549 | DGC02550 | DGC02551 | | |

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