

CERTIFICADO DE CALIDAD DE PRODUCTO TERMINADO

DATOS GENERALES:

FECHA/HORA: 28/02/09 10:53:47

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

PEDIDO: 000398 CONTRATO:5939 REMISION: 000389-1

PRODUCTO: CANAL 6" (LIV) 8.2LB/FT 152.4GRADO DE ACERO A572/A572M-94B G50

ESPECIFICACION PRODUCTO: ASTM A6/94 EMBARQUE: TRANSPORTES "ARCE"

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 |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 379790 | .0090 | .0360 | .0320 | .1700 | .2500 | .0250 | .2200 | .0900 | .1100 | .0190 | .9100 | .0020 |
| 379791 | .0110 | .0330 | .0300 | .1700 | .2400 | .0240 | .2300 | .1000 | .1200 | .0180 | .9200 | .0020 |
| 379792 | .0100 | .0280 | .0230 | .1800 | .2300 | .0160 | .2400 | .0800 | .0900 | .0180 | .9200 | .0020 |
| 379793 | .0130 | .0400 | .0220 | .2100 | .2500 | .0240 | .2100 | .1000 | .1200 | .0180 | .9000 | |

ANALISIS MECANICOS Y FISICOS:

| COLADA | LIMITE ELASTICO (LB/IN2) | ESFUERZO MAXIMO (LB/IN2) | ALARGAMIENTO 2" |
|--------|--------------------------|--------------------------|-----------------|
| 379790 | 54,076 | 75,836 | 28 |
| 379791 | 54,262 | 76,032 | 28 |
| 379792 | 54,912 | 76,874 | 28 |
| 379793 | 56,565 | 78,989 | 27 |

ATADOS DE LA COLADA

| COLADA | | | | |
|--------|----------|----------|----------|----------|
| 379790 | TJB00251 | | | |
| 379791 | TJB00199 | TJB00200 | | |
| 379792 | TJB00195 | TJB00196 | | |
| 379793 | TJB00178 | TJB00179 | TJB00182 | TJB00184 |

[Handwritten Signature]

ASEGURAMIENTO DE CALIDAD

ASEGURAMIENTO DE LA CALIDAD

MSHA