

## CERTIFICADO DE CALIDAD DE PRODUCTO TERMINADO

## DATOS GENERALES:

FECHA/HORA: 27/01/12 13:59:53

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

PEDIDO: 008297 CONTRA 12217 REMISION: 0037003-1

PRODUCTO: ANGULO 3X1/4" 76.2X6.35MM GRADO DE ACERO ASTM A36/A36M-94

ESPECIFICACION PRODUCTO: ASTM A6/94 EMBARQUE: RODRIGUEZ

PESO TEORICO(KG/MT): 7.291 LONGITUD(Mts) 12.20 TERMINADO:

## ANALISIS QUIMICOS:

| COLADA | % P   | % S   | % Sn  | % C   | % Cu  | % Mo  | % Si  | % Ni  | % Cr  | % V   | % Mn  | % Nb  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 394429 | .0180 | .0390 | .0180 | .1900 | .2800 | .0290 | .1800 | .1400 | .1400 | .0030 | .6300 | .0030 |
| 394431 | .0170 | .0410 | .0150 | .2200 | .2800 | .0330 | .1900 | .1400 | .1400 | .0020 | .6000 | .0010 |
| 394432 | .0160 | .0400 | .0160 | .1800 | .2900 | .0260 | .2500 | .1100 | .1100 | .0020 | .6600 | .0010 |

## ANALISIS MECANICOS Y FISICOS:

| COLADA | LIMITE<br>ELASTICO<br>(PSI/MPA) | ESFUERZO<br>MAXIMO<br>(PSI/MPA) | ALARGAMIENTO<br>(2") | CHARPY<br>V-NOTCH<br>JOULES | CHARPY<br>V-NOTCH<br>LB-PIE | CHARPY<br>V-NOTCH<br>KG-MT |
|--------|---------------------------------|---------------------------------|----------------------|-----------------------------|-----------------------------|----------------------------|
| 394429 | 50,192                          | 71,950                          | 27                   |                             |                             |                            |
| 394431 | 52,100                          | 74,270                          | 26                   |                             |                             |                            |
| 394432 | 50,076                          | 71,752                          | 27                   |                             |                             |                            |

## ATADOS DE LA COLADA

| COLADA |          |          |          |          |          |          |          |          |          |          |  |  |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|--|
| 394429 | DMA01179 | DMA01180 | DMA01181 | DMA01182 |          |          |          |          |          |          |  |  |
| 394431 | DMA00974 |          |          |          |          |          |          |          |          |          |  |  |
| 394432 | DMA00954 | DMA00955 | DMA00956 | DMA00957 | DMA00958 | DMA00959 | DMA00960 | DMA00961 | DMA00962 | DMA00963 |  |  |
| 394432 | DMA00964 | DMA00965 |          |          |          |          |          |          |          |          |  |  |

ASEGURAMIENTO DE CALIDAD

SIMEC ACERO  
S.A. DE C.V.  
MEXICO, D.F.