

S I M E C A C E R O, S. A. D E C. V.
 CERTIFICADO DE CALIDAD DE PRODUCTO TERMINADO

SCN008

DATOS GENERALES:

FECHA/HORA: 06/11/13 13:30:12
 CLIENTE: PLESA ANAHUAC Y CIAS, S.A. DE
 PEDIDO: 013927
 PRODUCTO: ANGULO 2-1/2X1/4" 63.5X6.35MGRADO DE ACERO ASTM A36/A36M-08
 CONTRA 16953 REMISION: 0059150-1
 CANTIDAD EMBARCADA 32.446 TONS
 ESPECIFICACION A6/A6M-10
 PESO TEORICO PRODUCTO: 6.101 KGS/MT
 EMBARQUE: RUFINO ARCE
 LONGITUD (Mts) 6.10 TERMINADO:

ANALISIS QUIMICOS:

| COLADA | % P | % S | % Sn | % C | % Cu | % Mo | % Si | % Ni | % Cr | % V | % Mn | % Nb |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 303556 | .0190 | .0300 | .0170 | .1800 | .2900 | .0210 | .2500 | .0800 | .1400 | .0020 | .6800 | .0010 |
| 303568 | .0190 | .0330 | .0160 | .2000 | .2900 | .0340 | .2700 | .1400 | .1600 | .0020 | .7300 | .0010 |
| 303569 | .0140 | .0360 | .0210 | .1500 | .2300 | .0260 | .2600 | .0800 | .1100 | .0020 | .6900 | .0010 |
| 303589 | .0110 | .0350 | .0180 | .2000 | .3000 | .0180 | .2200 | .0800 | .1400 | .0030 | .6800 | .0030 |

ANALISIS MECANICOS Y FISICOS:

| COLADA | LIMITE ELASTICO (PSI/MPA) | ESFUERZO MAXIMO (PSI/MPA) | ALARGAMIENTO (2") | CHARPY V-NOTCH JOULES | CHARPY V-NOTCH LB-PIE | CHARPY V-NOTCH KG-MT |
|--------|---------------------------|---------------------------|-------------------|-----------------------|-----------------------|----------------------|
| 303556 | 50,448 | 72,146 | 27 | | | |
| 303568 | 52,805 | 74,877 | 26 | | | |
| 303569 | 48,972 | 70,186 | 27 | | | |
| 303589 | 51,880 | 73,882 | 26 | | | |

ATADOS DE LA COLADA

| COLADA | | | | | |
|--------|----------|----------|----------|----------|----------|
| 303556 | SNJ03634 | SNJ03635 | | | |
| 303568 | SNJ02661 | SNJ02662 | SNJ02663 | SNJ02664 | SNJ02665 |
| 303569 | SNJ02656 | SNJ02658 | SNJ02659 | SNJ02660 | |
| 303589 | SNJ02657 | | | | |

SIMEC ACERO
S.A. DE C.V.
 DEPTO. DE EMBARQUE
ASEGURAMIENTO DE CALIDAD