

CERTIFICADO DE CALIDAD DE PRODUCTO TERMINADO

DATOS GENERALES:

FECHA/HORA: 25/02/14 11:00:47

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

PEDIDO: 014231 CONTRA 17091 REMISION: 0063330-1

PRODUCTO: SOLERA 4X3/8" 101.6X9.52MM GRADO DE ACERO ASTM A36/A36M-08

CANTIDAD EMBARCADA 20.156 TONS

ESPECIFICACION A6/A6M-10 EMBARQUE: NUEVO MILENIO, S.A.

PESO TEORICO PRODUCTO: 7.597 KGS/MT LONGITUD(Mts) 6.10 TERMINADO:

ANALISIS QUIMICOS:

| COLADA | % P | % S | % Sn | % C | % Cu | % Mo | % Si | % Ni | % Cr | % V | % Mn | % Nb |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 305120 | .0160 | .0310 | .0126 | .2000 | .3000 | .0270 | .2600 | .0900 | .1100 | .0030 | .7500 | .0030 |
| 305613 | .0140 | .0130 | .0100 | .1900 | .2300 | .0180 | .2300 | .0700 | .1100 | .0020 | .7300 | .0010 |
| 305614 | .0160 | .0140 | .0130 | .1700 | .2300 | .0170 | .2300 | .0700 | .1200 | .0020 | .6900 | .0010 |

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 |
|--------|---------------------------|---------------------------|-------------------|-----------------------|-----------------------|----------------------|
| 305120 | 53,175 | 75,275 | 26 | | | |
| 305613 | 52,032 | 73,950 | 27 | | | |
| 305614 | 49,984 | 71,524 | 27 | | | |

ATADOS DE LA COLADA

| COLADA | | | | | | | | | | | | |
|--------|----------|----------|----------|----------|----------|----------|----------|--|--|--|--|--|
| 305120 | SOB05980 | | | | | | | | | | | |
| 305613 | SOB05948 | SOB05952 | | | | | | | | | | |
| 305614 | SOB05940 | SOB05943 | SOB05944 | SOB05946 | SOB05963 | SOB05964 | SOB05965 | | | | | |

SIMECACERO
S. A. DE C. V.
DEPTO. DE EMP.

ASEGURAMIENTO DE CALIDAD