

CERTIFICADO DE CALIDAD DE PRODUCTO TERMINADO

DATOS GENERALES:

FECHA/HORA: 16/12/14 12:27:28

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

PEDIDO: 017304 CONTRA 19799/19682 REMISION: 0074420-1

PRODUCTO: ANGULO 2X1/4" 50.8X6.35MM GRADO DE ACERO A36/A3650/A529G50

CANTIDAD EMBARCADA 35.486 TONS

ESPECIFICACION PRODUCTO: EMBARQUE: NUEVO MILENIO, S.A.

PESO TEORICO PRODUCTO: 4.747 KGS/MT LONGITUD(Mts) 6.10 TERMINADO:

ANALISIS QUIMICOS:

| COLADA | % P | % S | % Sn | % C | % Cu | % Mo | % Si | % Ni | % Cr | % V | % Mn | % Ti | % Pb |
|--------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|-------|
| 310648 | .0090 | .0270 | .0330 | .1700 | .2500 | .0140 | .290 | .080 | .100 | .002 | .950 | .002 | .0010 |
| 310652 | .0140 | .0250 | .0220 | .1900 | .3500 | .0190 | .240 | .090 | .110 | .003 | .980 | .002 | |

ANALISIS MECANICOS Y FISICOS:

| COLADA | LIMITE ELASTICO (LB/IN2) | ESFUERZO MAXIMO (LB/IN2) | ALARGAMIENTO (%) | DUREZA SUPERFICIAL |
|--------|--------------------------|--------------------------|------------------|--------------------|
| 310648 | 54,820 | 76,620 | 28 | |
| 310652 | 56,632 | 78,950 | 28 | |

ANALISIS METALOGRAFICO:

| COLADA | ESTRUCTURA | INCLUSIONES | TAMAÑO DE GRANO | DESCARBURIZACION |
|--------|------------|-------------|-----------------|------------------|
| 310648 | | | | |
| 310652 | | | | |

ATADOS DE LA COLADA

| COLADA | | | | | | |
|--------|----------|----------|----------|----------|----------|----------------------------|
| 310648 | SOL03227 | SOL03228 | SOL03229 | SOL03232 | SOL03233 | SOL03234 |
| 310652 | SOL03215 | SOL03216 | SOL03217 | SOL03218 | SOL03219 | SOL03224 SOL03225 SOL03226 |

