

CERTIFICADO DE CALIDAD DE PRODUCTO TERMINADO

DATOS GENERALES:

FECHA/HORA: 18/12/14 7:59:07

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

PEDIDO: 016391 CONTRA 19055 REMISION: 0074531-1

PRODUCTO: ANGULO 2X1/8" 50.8X3.17MM GRADO DE ACERO A529/A529M-05 G50

CANTIDAD EMBARCADA 16.208 TONS

ESPECIFICACION PRODUCTO: A6/A6M-10 EMBARQUE: TRANSPORTES "JE"

PESO TEORICO PRODUCTO: 2.455 KGS/MT LONGITUD(Mts) 6.10 TERMINADO:

ANALISIS QUIMICOS:

| COLADA | % P   | % S   | % Sn  | % C   | % Cu  | % Mo  | % Si | % Ni | % Cr | % V  | % Mn | % Ti | % Pb |
|--------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 310705 | .0090 | .0370 | .0250 | .2000 | .2900 | .0160 | .260 | .090 | .100 | .002 | .920 | .002 |      |
| 310706 | .0120 | .0270 | .0250 | .1800 | .3200 | .0240 | .240 | .120 | .180 | .003 | .960 | .002 |      |

ANALISIS MECANICOS Y FISICOS:

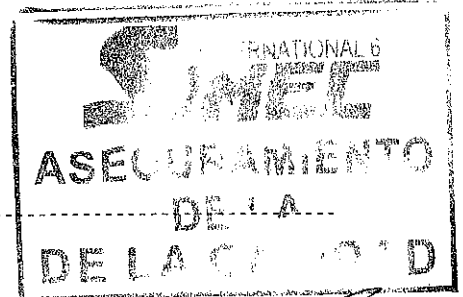
| COLADA | LIMITE ELASTICO (LB/IN <sup>2</sup> ) | ESFUERZO MAXIMO (LB/IN <sup>2</sup> ) | ALARGAMIENTO (%) | DUREZA SUPERFICIAL |
|--------|---------------------------------------|---------------------------------------|------------------|--------------------|
| 310705 | 56,320                                | 78,658                                | 27               |                    |
| 310706 | 55,656                                | 77,662                                | 28               |                    |

ANALISIS METALOGRAFICO:

| COLADA | ESTRUCTURA | INCLUSIONES | TAMAÑO DE GRANO | DESCARBURIZACION |
|--------|------------|-------------|-----------------|------------------|
| 310705 |            |             |                 |                  |
| 310706 |            |             |                 |                  |

ATADOS DE LA COLADA

| COLADA |          |          |          |          |
|--------|----------|----------|----------|----------|
| 310705 | SOL03891 | SOL03893 | SOL03894 |          |
| 310706 | SOL03886 | SOL03887 | SOL03889 | SOL03890 |



ASEGURAMIENTO DE CALIDAD