

## CERTIFICADO DE CALIDAD DE PRODUCTO TERMINADO

## DATOS GENERALES:

FECHA/HORA: 23/02/17 23:15:29

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

PEDIDO: 024970 CONTRA 25114 REMISION: 0111969-1

PRODUCTO: ANGULO 2X3/16" 50.8X4.76MM GRADO DE ACERO ASTM A36/A36M-08

CANTIDAD EMBARCADA 21.606 TONS

ESPECIFICACION PRODUCTO: A6/A6M-10 EMBARQUE: MATEO ARCE PALMARES

PESO TEORICO PRODUCTO: 3.631 KGS/MT LONGITUD(Mts) 6.10 TERMINADO:

## ANALISIS QUIMICOS:

| COLADA | % P   | % S   | % Sn  | % C   | % Cu  | % Mo  | % Si | % Ni | % Cr | % V  | % Mn | % Ti | % Nb  |
|--------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|-------|
| 324402 | .0160 | .0190 | .0270 | .1800 | .3100 | .0390 | .300 | .110 | .140 | .002 | .960 | .002 | .0010 |
| 324486 | .0110 | .0220 | .0260 | .1600 | .2000 | .0230 | .220 | .060 | .180 | .002 | .690 | .001 | .0010 |
| 324494 | .0170 | .0340 | .0280 | .1900 | .2600 | .0190 | .200 | .070 | .200 | .002 | .740 | .001 | .0010 |

## ANALISIS MECANICOS Y FISICOS:

| COLADA | LIMITE   | ESFUERZO | ALARGAMIENTO | CHARPY      | CHARPY      |    |    | CHARPY  |
|--------|----------|----------|--------------|-------------|-------------|----|----|---------|
|        | ELASTICO | MAXIMO   |              | V-NOTCH (J) | V-NOTCH (J) |    |    | V-NOTCH |
|        | (LB/IN2) | (LB/IN2) | (%)          | PROMEDIO    | T1          | T2 | T3 | TEMP C  |
| 324402 | 55,656   | 77,662   | 28           |             |             |    |    |         |
| 324486 | 49,453   | 70,855   | 27           |             |             |    |    |         |
| 324494 | 52,216   | 74,150   | 27           |             |             |    |    |         |

| COLADA | CHARPY          | CHARPY          |    |    | CHARPY  |
|--------|-----------------|-----------------|----|----|---------|
|        | V-NOTCH (LB/FT) | V-NOTCH (LB/FT) |    |    | V-NOTCH |
|        | PROMEDIO        | T1              | T2 | T3 | TEMP F  |
| 324402 |                 |                 |    |    |         |
| 324486 |                 |                 |    |    |         |
| 324494 |                 |                 |    |    |         |

## ATADOS DE LA COLADA

| COLADA |          |          |          |          |          |          |  |
|--------|----------|----------|----------|----------|----------|----------|--|
| 324402 | SRB05884 |          |          |          |          |          |  |
| 324486 | SRB05803 | SRB05804 | SRB05805 | SRB05806 |          |          |  |
| 324494 | SRB05841 | SRB05842 | SRB05843 | SRB05844 | SRB05845 | SRB05846 |  |

