

CERTIFICADO DE CALIDAD DE PRODUCTO TERMINADO

DATOS GENERALES:

FECHA/HORA: 17/06/16 21:15:05

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

PEDIDO: 022598 CONTRA 23755 REMISION: 0099354-1

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

CANTIDAD EMBARCADA 35.086 TONS

ESPECIFICACION PRODUCTO: EMBARQUE: LOGISTICA ABURTO SA

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 | % Nb |
|--------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 320242 | .0130 | .0390 | .0280 | .1700 | .3500 | .0350 | .200 | .100 | .250 | .002 | .940 | .002 | |
| 320243 | .0130 | .0370 | .0260 | .2100 | .3900 | .0320 | .250 | .100 | .250 | .002 | .910 | .002 | |

ANALISIS MECANICOS Y FISICOS:

| COLADA | LIMITE ELASTICO (LB/IN2) | ESFUERZO MAXIMO (LB/IN2) | ALARGAMIENTO (%) | DUREZA SUPERFICIAL |
|--------|--------------------------|--------------------------|------------------|--------------------|
| 320242 | 54,634 | 76,424 | 28 | |
| 320243 | 56,935 | 79,391 | 27 | |

ANALISIS METALOGRAFICO:

| COLADA | ESTRUCTURA | INCLUSIONES | TAMAÑO DE GRANO | DESCARBURIZACION |
|--------|------------|-------------|-----------------|------------------|
| 320242 | | | | |
| 320243 | | | | |



ATADOS DE LA COLADA

| COLADA | | | | | | | | | | |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| 320242 | SQF03860 | SQF03861 | SQF03862 | SQF03863 | SQF03873 | SQF03874 | SQF03875 | SQF03876 | SQF03877 | |
| 320243 | SQF03846 | SQF03847 | SQF03850 | SQF03854 | SQF03855 | SQF03856 | SQF03857 | SQF03858 | SQF03859 | |

[Handwritten Signature]

ASEGURAMIENTO DE CALIDAD