

CERTIFICADO DE CALIDAD DE PRODUCTO TERMINADO

DATOS GENERALES:

FECHA/HORA: 01/11/16 7:33:23

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

PEDIDO: 023711 CONTRA 24365 REMISION: 0106448-1

PRODUCTO: REDONDO 3/4" 19.05MM GRADO DE ACERO ASTM A36/A36M-08

CANTIDAD EMBARCADA 25.160 TONS

ESPECIFICACION PRODUCTO: A29/A29M-05 EMBARQUE: AUTOTRANSPORTES ARCE

PESO TEORICO PRODUCTO: 2.235 KGS/MT LONGITUD(Mts) 6.10 TERMINADO:

ANALISIS QUIMICOS:

| COLADA | % P   | % S   | % Sn  | % C   | % Cu  | % Mo  | % Si | % Ni | % Cr | % V  | % Mn | % Ti | % Nb  |
|--------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|-------|
| 322536 | .0090 | .0200 | .0300 | .1500 | .3100 | .0230 | .190 | .040 | .140 | .001 | .960 | .002 | .0010 |
| 322759 | .0120 | .0260 | .0350 | .1900 | .3000 | .0140 | .190 | .090 | .120 | .002 | .750 | .002 | .0010 |
| 322764 | .0100 | .0200 | .0310 | .1900 | .3200 | .0140 | .230 | .080 | .110 | .002 | .700 | .002 | .0010 |

ANALISIS MECANICOS Y FISICOS:

| COLADA | LIMITE ELASTICO (LB/IN2) | ESFUERZO MAXIMO (LB/IN2) | ALARGAMIENTO (%) | CHARPY               | CHARPY               |  |  | CHARPY         |
|--------|--------------------------|--------------------------|------------------|----------------------|----------------------|--|--|----------------|
|        |                          |                          |                  | V-NOTCH (J) PROMEDIO | V-NOTCH (J) T1 T2 T3 |  |  | V-NOTCH TEMP C |
| 322536 | 54,048                   | 75,424                   | 28               |                      |                      |  |  |                |
| 322759 | 52,400                   | 74,350                   | 27               |                      |                      |  |  |                |
| 322764 | 51,480                   | 73,350                   | 27               |                      |                      |  |  |                |

  

|        | CHARPY                   | CHARPY                   |  |  | CHARPY         |
|--------|--------------------------|--------------------------|--|--|----------------|
|        | V-NOTCH (LB/FT) PROMEDIO | V-NOTCH (LB/FT) T1 T2 T3 |  |  | V-NOTCH TEMP F |
| 322536 |                          |                          |  |  |                |
| 322759 |                          |                          |  |  |                |
| 322764 |                          |                          |  |  |                |

ATADOS DE LA COLADA

| COLADA |          |          |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 322536 | SQJ09062 | SQJ09063 | SQJ09064 | SQJ09065 | SQJ09066 | SQJ09067 | SQJ09068 | SQJ09069 | SQJ09070 |
| 322759 | SQJ09004 | SQJ09005 |          |          |          |          |          |          |          |
| 322764 | SQJ09061 |          |          |          |          |          |          |          |          |

