

CERTIFICADO DE CALIDAD N°  
CERTIFICATE OF QUALITY N°

06-4053-A

|  |                          |
|--|--------------------------|
| CLIENTE  | GRADO DE ACERO           |
| CUSTOMER <b>PLESA ANAHUAC Y CIAS, S.A. DE C.V.</b> | STEEL GRADE <b>A-36</b>  |
| N° DE COLADA                                       | MEDIDA                   |
| HEAT N° <b>40539006</b>                            | SECTION SIZE <b>3/4"</b> |
| IDENTIFICACION                                     | PERFIL                   |
| COLOR CODE   | SHAPE <b>Redondo</b>     |

ANALISIS QUIMICO % C.E= 0.34  
CHEMICAL ANALYSIS %

| C   | Mn  | Si  | P    | S    | Cr  | Ni  | Mo   | Al   | Cu  | Sn   | %Pb | %V | %Ti | %Nb | N ppm |
|-----|-----|-----|------|------|-----|-----|------|------|-----|------|-----|----|-----|-----|-------|
| .17 | .67 | .22 | .013 | .022 | .09 | .14 | .038 | .004 | .29 | .017 |     |    |     |     |       |

D.I. = N/A

METALOGRAFIA  
METALLOGRAPHY

| TAMAÑO DE GRANO<br>GRAIN SIZE | DECARBURIZACION<br>DECARBURIZATION | ESTRUCTURA<br>STRUCTURE | INCLUSIONES NO METALICAS<br>NONMETALLIC-INCLUSIONS |   |    |   |
|-------------------------------|------------------------------------|-------------------------|--|---|----|---|
|                               |                                    |                         | A  | B | C  | D |
|                               |                                    |                         |  |   | 25 |   |

PROPIEDADES MECANICAS  
MECHANICALS PROPERTIES

| RESISTENCIA A LA TENSION<br>TENSILE STRENGTH (PSI) | LIMITE DE CEDENCIA<br>YIELD STRENGTH (PSI) | % REDUCCION DE AREA<br>REDUCTION IN AREA | % ALARGAMIENTO<br>ELONGATION | DUREZA<br>HARDNESS |
|--|--|--|------------------------------|--------------------|
| <b>73,181 Lbs/Pulg<sup>2</sup></b>                 | <b>51,319 Lbs/Pulg<sup>2</sup></b>         |  | <b>27.63%</b>                | <b>79HRB</b>       |

OBSERVACIONES:  
OBSERVATIONS

255.21

FECHA  
DATE

24-Oct-2006 16:06



*[Signature]*  
Atencio sánchez  
ASEGURAMIENTO DE CALIDAD  
QUALITY ASSURANCE DEPARTMENT