

SA ANAHUAC Y CIA S, S.A.C.V.  
 VALLE DE LAS ALAMEDAS, 66-0  
 SAN FRANCISCO CHILPAN  
 40 TULITLILAN-EDO. DE MEXICO

**CERTIFICADO DE INSPECCION**  
**Works Certificate - Certificat d'Usine**

DIN EN 10204 / 3.1  
 ISO 10474 / 3.1

FECHA: 02/11/2006

N.º

109749

HOJA: 1

N.º: SGI 1922164

ULMA FORJA, S.COOP.

ICTO BRIDAS

SU PEDIDO N.º  
 Your Order No. OC 1574 (20.06.06)

DE of. de 27/07/2006

Votre Cde. N.º

Certified acc. PED 97/23/EC  
 by TÜV Rheinland  
 N.º 01 202 EQ 02 7443

15 APPLICABLES  
 Normes Applicables

ASME B16.5-96

MARCA DEL FABRICANTE  
 Mark of factory  
 Marque du fabricant



55200

1AL CORRESPONDIENTE  
 Correspondent - Qualité  
 ASTM A105N-05  
 ASME SA105N-05

NACE MR-01-75/03

DE FUSION (\*)  
 King - Elaboration de l'acier

DEPARTAMENTO GARANTIA CALIDAD  
 Section

20560 ONATI (Gipuzkoa) SF  
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PRODUTTA SIDERURGICA

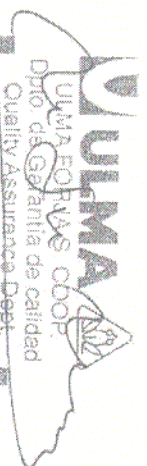
| PARTIDA<br>Item<br>Poste | CANTIDAD<br>Quantity<br>Quantité | DESCRIPCION<br>Description<br>Description | OBSERVACIONES<br>Remarks<br>Observations (*) | COLADA N.º<br>Heat No<br>N.ºCoulée | RESISTENCIA<br>T Strength<br>Resist Rupt<br>N/mm2 | LIMITE ELAST.<br>Y Strength<br>Limite Elast.<br>N/mm2 | ALARGAM.<br>Elongation<br>Allongement<br>Lo. 4 d<br>% | ESTRICCION<br>Red Area<br>Striction<br>% | RESILIENCIA<br>Impact test<br>Resilience<br>Joules | MEDIA<br>Average<br>Moyenne | °C | D<br>H<br>D<br>H |
|--------------------------|----------------------------------|---|--|------------------------------------|---|---|---|--|--|-----------------------------|----|------------------|
| 39                       | BLIND 10 150LB RF A105N          | NE  | 186A6  | 520                                | 318   | 32,70   | 64,00   |  |  |                             |    |                  |
| 3                        | BLIND 10 150LB RF A105N          | NE  | 215A6  | 517                                | 304   | 31,80   | 62,70   |  |  |                             |    |                  |
| 4                        | BLIND 24 150LB RF A105N          | NE  | 543A6  | 528                                | 312   | 29,40   | 51,00   |  |  |                             |    |                  |
| 8                        | BLIND 24 150LB RF A105N          | NE  | 607A6  | 505                                | 313   | 29,20   | 59,80   |  |  |                             |    |                  |
| 50                       | LJ 8 150LB A105N                 | NE  | 172A6  | 520                                | 323   | 33,20   | 66,70   |  |  |                             |    |                  |
| 50                       | WN 3 150LB S80 RF A105N          | NE  | 365A6  | 517                                | 316   | 32,70   | 64,00   |  |  |                             |    |                  |

**COMPOSICION QUIMICA - STEEL MARKERS LADLE ANALYSIS - ANALYSE CHIMIQUE**

| N.º<br>3<br>4 | C %   | Si %  | Mn %  | P %   | S %   | Cr %  | Ni %  | Mo %  | Nb %  | V %   | Cu %  | CEQ % |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 6             | 0.190 | 0.280 | 0.890 | 0.016 | 0.001 | 0.130 | 0.090 | 0.030 | 0.008 | 0.003 | 0.220 | 0.392 |
| 6             | 0.190 | 0.240 | 0.860 | 0.018 | 0.010 | 0.130 | 0.090 | 0.020 | 0.007 | 0.001 | 0.210 | 0.384 |
| 6             | 0.180 | 0.170 | 0.820 | 0.008 | 0.025 | 0.060 | 0.120 | 0.020 | 0.000 | 0.001 | 0.300 | 0.361 |
| 6             | 0.180 | 0.230 | 0.840 | 0.012 | 0.005 | 0.110 | 0.090 | 0.030 | 0.007 | 0.001 | 0.220 | 0.369 |
| 6             | 0.200 | 0.230 | 0.790 | 0.014 | 0.013 | 0.020 | 0.005 | 0.001 | 0.001 | 0.001 | 0.010 | 0.337 |
| 6             | 0.210 | 0.240 | 0.810 | 0.027 | 0.021 | 0.020 | 0.070 | 0.040 | 0.002 | 0.002 | 0.040 | 0.365 |

- Las dimensiones y la condición superficial se hallaron satisfactorias
- Dimension and surface condition were found acceptable
- Les dimensions et états de surface sont satisfaisants
- Los materiales citados cumplen las normas aplicables
- Manufacturing requirements are satisfied
- Les normes applicables sont respectées

EL INSPECTOR  
 Works Inspector - L'inspecteur



ERVACIONES:  
 N\_NORMALIZADO A 900 C Y ENFRIADO EN AIRE EN CALMA

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