

CLIENTE / Customer / Client

CERTIFICADO DE INSPECCION
Works Certificate - Certificat d'Usine

DIN EN 10204 / 3.1
ISO 10474 / 3.1



ULMA

FECHA: 15/10/2007 N.º 116780

HOLIA: Page: 3

N.º: SGI 1922164

ULMA FORJA, S.COOP.

PRODUCTO FITTING SU PEDIDO N.º
Article - Produit Your Order No.

DE 29/05/2007

Certified acc. PED 87/23/EC
by TÜV Rheinland
N.º D1 202 EJO 02 7443

8º Zubillaga, 3 - Apdo. 14
20560 OÑATI (Gipuzkoa) SPAIN
Tel: 34 - 943 780002
Fax: 34 - 943 781808
E-mail: ulma@ulmaproing.com

NORMAS APLICABLES ASME B16.11-01
Requirements - Normes Applicables

MATERIAL CORRESPONDIENTE ASTMA105N-06
Material Correspondent - Qualité ASME SA105N-05
MODO DE FUSION (?) NACE MR-01-75/03
Steel Making - Elaboration de l'acier
E = Elec. Y = Origeno básico

MARCA DEL FABRICANTE
Mark of factory
Marque du fabricant



62328

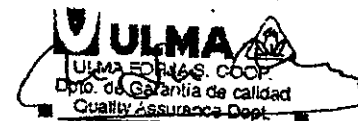
DEPARTAMENTO QUALITY ASSURANCE
Section
Department

| PARTIDA Item Poste | CANTIDAD Quantity Quantité | DESCRIPCION Description Description | OBSERVACIONES Remarks Observations | COLADA N.º Heat No. N.º Coulée | RESISTENCIA T.Strength Tensile Prop. N/mm² | LARGO ALARG. Y.Strength Yield Strength N/mm² | ALARGAMIENTO Elongation Elongation % | ESTROCCION Red. Area Reduction % | RESILIENCIA Impact test Resilience Joules | MEDIA Average Moyenne | | DUREZA Hardness Dureté |
|--------------------------|----------------------------------|---|--|--------------------------------------|---|---|---|---|--|-----------------------------|----|------------------------------|
| | | | | | | | | | | °C | HB | |
| 125 FOLD43C | 1.020 | TEE 3/4 3000LB SW A105N | NE | RT | 517 | 318 | 33,00 | 65,90 | | | | 151 |
| 128 FOL043D | 1.920 | TEE 3/4 3000LB NPT A105N | NE | 348A7 | 515 | 302 | 30,80 | 58,50 | | | | 149 |
| 129 FOL052D | 1.875 | TEE 1 2000LB NPT A105N | NE | 342A7 | 520 | 307 | 30,40 | 57,00 | | | | 151 |
| 130 FOL053C | 2.040 | TEE 1 3000LB SW A105N | NE | 348A7 | 515 | 302 | 30,80 | 56,50 | | | | 148 |
| 166 FOM053C | 210 | ELBOW45 1 3000LB SW A105N | NE | 280A7 | 520 | 308 | 31,60 | 57,00 | | | | 150 |
| 178 FOM053D | 24 | ELBOW45 2 3000LB NPT A105N | NE | 331A7 | 519 | 317 | 31,90 | 60,40 | | | | 150 |
| 179 FOM080C | 150 | ELBOW45 2 6000LB SW A105N | NE | 331A7 | 519 | 317 | 31,90 | 60,40 | | | | 150 |
| 181 FOP036C | 300 | ELBOW90 1/2 6000LB SW A105N | NE | RR | 519 | 306 | 30,80 | 57,00 | | | | 150 |

| COLADA N.º Heat No. N.º Coulée | COMPOSICION QUIMICA - STEEL MARKER'S LADLE ANALYSIS - ANALYSE CHIMIQUE | | | | | | | | | | | |
|--------------------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | C % | Si % | Mn % | P % | S % | Cr % | Ni % | Mo % | Nb % | V % | Cu % | CEQ % |
| 280A7 | 0.210 | 0.220 | 0.860 | 0.013 | 0.004 | 0.090 | 0.140 | 0.020 | 0.000 | 0.005 | 0.200 | 0.399 |
| 331A7 | 0.180 | 0.260 | 0.890 | 0.011 | 0.005 | 0.140 | 0.090 | 0.050 | 0.007 | 0.001 | 0.100 | 0.385 |
| 342A7 | 0.200 | 0.210 | 0.890 | 0.014 | 0.008 | 0.060 | 0.100 | 0.070 | 0.000 | 0.005 | 0.240 | 0.388 |
| 348A7 | 0.210 | 0.220 | 0.860 | 0.014 | 0.006 | 0.060 | 0.100 | 0.070 | 0.000 | 0.005 | 0.230 | 0.394 |
| RR | 0.180 | 0.180 | 1.010 | 0.005 | 0.015 | 0.030 | 0.070 | 0.020 | 0.001 | 0.002 | 0.150 | 0.373 |
| RT | 0.210 | 0.290 | 1.030 | 0.015 | 0.022 | 0.020 | 0.010 | 0.001 | 0.001 | 0.004 | 0.230 | 0.403 |

- 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 ofrecidos cumplen las normas aplicables
- Manufacturing requirements are satisfied
- Les normes applicables sont respectées

EL INSPECTOR
Works Inspector - L'inspecteur



(?) OBSERVACIONES: N NORMALIZED AT 900 C AND ALLOWED TO COOL IN STILL AIR
Remarks
Observations

SUPPLIER: TECNO CORPORATIVO INDUSTRIAL, S.A. DE C.V.
CUSTOMER: PLESA ANAHUAC Y CIAS, S.A. DE C.V. P.O. 9690
ITEM 1 1/2" X 90° ELBOW SW 6,000# HT: RR QTY. 1.

005195