

CLIENTE / Customer / Client

DODSON GLOBAL, INC
DODSON GLOBAL
2750 Holmes Rd
Houston, TX 77051
2750
USA

CERTIFICADO DE INSPECCION

Inspection Certificate - Certificat de Réception

FECHA: N.º HOJA:
Date: 19/10/2022 No. 222098 Page: 1

Company management certifications:

ISO 9001: 2015
ISO 14001: 2015
ISO 45001: 2018



ULMA FORJA, S.COOP.

Management Systems certified by LRQAE

Certified acc. PED 2014/68/UE+AD2000-W0
by TÜV Rheinland
N.º 01 202 E/Q 02 7443 UNE EN 10204.06 / 3.1
ISO 10474:13 / 3.1

Bº Zubillaga, 3 - Apdo. 14
20560 ONATI (Gipuzkoa) SPAIN
Tel.: 34 - 943 780552
Fax: 34 - 943 781808
E-mail: ulma@ulmaforge.com

MARCA DEL FABRICANTE
Mark of factory
Marque du fabricant



Packing List: 172206
Expedition : 413438

DEPARTAMENTO QUALITY ASSURANCE
Section
Département

PRODUCTO FLANGES SU PEDIDO N.º
Article - Produit Your Order No. 325091
Votre Cde. N.º

DE
of. - de 12/07/2022

NORMAS APLICABLES ASME B16.5-17
Requirements - Normes Applicables

MATERIAL CORRESPONDIENTE ASME SA105M-21, ASTM A105M-21, EN 10222-2 P280GH-17.

Material Correspondent - Qualité

MODO DE FUSION (*) NACE MR0175/ISO15156-02/03-15 & NACE MR0103/ISO17945-15

Steel Making - Elaboration de l'acier

E = Elec. Y = Oxígeno básico

| PARTIDA Item Poste | CANTIDAD Quantity Quantité | DESCRIPCION Description Description | OBSERVACIONES Remarks Observations (*) | COLADA N.º Heat No N.ºCoulée | RESISTENCIA T.Strength Resist Rupt N/mm2 | LIMITE ELAST. Y.Strength 0.2 % N/mm2 | ALARGAM. Elongation Allongement Lo:50mm/4d % | ESTRICCION Red. Area Striction % | RESILIENCIA Impact test Résilience | | PROBETA - SPECIMEN CHАРPY V 10x10mm | | DUREZA Hardness Dureté HBW | | | |
|--------------------------|----------------------------------|---|---|------------------------------------|---|---|--|---|--|-----------------------------|--|-----|-------------------------------------|-----|-----|-----|
| | | | | | | | | | Joules | MEDIA Average Moyenne | °C | | | | | |
| 8 6-R----FN501AAA | 30 | WN 6 150LB XXS RF A105N | 05L202 | NE | 026A22 | 516 | 278 | 34,60 | 70,40 | 51 | 41 | 35 | 42 | -50 | 149 | 149 |
| 39 2-M----FN50FAAA | 388 | WN 2 1500LB XS/80 RF A105N | 27L221 | NE | 027A22 | 525 | 341 | 36,40 | 69,76 | 119 | 114 | 118 | 117 | -29 | 140 | 142 |
| 39 2-M----FN50FAAA | 58 | WN 2 1500LB XS/80 RF A105N | 27L222 | NE | 027A22 | 525 | 341 | 36,40 | 69,76 | 119 | 114 | 118 | 117 | -29 | 140 | 142 |
| 39 2-M----FN50FAAA | 79 | WN 2 1500LB XS/80 RF A105N | 27J214 | NE | 43HC22 | 535 | 342 | 35,97 | 74,49 | 129 | 121 | 80 | 110 | -29 | 152 | 156 |
| 44 3-----FN503BAA | 312 | SO 3 300LB RF A105N | 02S210 | NE | 043A22 | 536 | 353 | 36,41 | 71,20 | 114 | 106 | 92 | 104 | -29 | 148 | 149 |
| 53 1-----FN501EAA | 300 | THR 1 150LB RF A105N | 20S212 | NE | 15AV2 | 526 | 315 | 33,56 | 72,99 | 53 | 96 | 114 | 88 | -50 | 141 | 144 |
| 54 2--F---FN501EAA | 40 | THRRED 2X3/4 150LB RF A105N | 29L210 | NE | A11A2 | 531 | 332 | 35,68 | 71,07 | 117 | 132 | 103 | 117 | -29 | 146 | 149 |
| 66 4-M----FN506TAA | 24 | WN 4 600LB XS/80 RTJ A105N | 01F222 | NE | B09A1 | 525 | 319 | 36,80 | 73,73 | 43 | 42 | 92 | 59 | -50 | 149 | 152 |

| COLADA N.º Heat No Ladle: L Product: P | COMPOSICION QUIMICA - STEEL MAKER'S LADLE ANALYSIS - ANALYSE CHIMIQUE | | | | | | | | | | | | | | | Origin of Steel | |
|---|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----------------|--------|
| | C % | Si % | Mn % | P % | S % | Cr % | Ni % | Mo % | Nb % | V % | Cu % | Al % | Ti % | Ca % | B % | | CEq % |
| 026A22 L | 0,184 | 0,230 | 1,110 | 0,010 | 0,004 | 0,080 | 0,090 | 0,009 | 0,001 | 0,003 | 0,200 | 0,026 | 0,002 | 0,002 | 0,0003 | 0,41 | France |
| 027A22 L | 0,181 | 0,230 | 1,120 | 0,011 | 0,005 | 0,080 | 0,090 | 0,009 | 0,001 | 0,003 | 0,210 | 0,030 | 0,002 | 0,004 | 0,0003 | 0,41 | France |
| 43HC22 L | 0,180 | 0,230 | 1,160 | 0,007 | 0,002 | 0,070 | 0,070 | 0,008 | 0,001 | 0,002 | 0,120 | 0,029 | 0,002 | 0,002 | 0,0003 | 0,40 | France |
| 043A22 L | 0,180 | 0,260 | 1,130 | 0,012 | 0,002 | 0,060 | 0,080 | 0,010 | 0,001 | 0,004 | 0,220 | 0,032 | 0,002 | 0,003 | 0,0002 | 0,40 | Italy |
| 15AV2 L | 0,178 | 0,230 | 1,170 | 0,010 | 0,002 | 0,100 | 0,060 | 0,010 | 0,001 | 0,004 | 0,130 | 0,028 | 0,002 | 0,002 | 0,0001 | 0,41 | Italy |
| A11A2 L | 0,180 | 0,220 | 1,120 | 0,011 | 0,002 | 0,080 | 0,080 | 0,014 | 0,002 | 0,003 | 0,220 | 0,030 | 0,002 | 0,002 | 0,0002 | 0,41 | France |
| B09A1 L | 0,180 | 0,200 | 1,130 | 0,011 | 0,004 | 0,080 | 0,090 | 0,012 | 0,001 | 0,003 | 0,270 | 0,028 | 0,001 | 0,003 | 0,0001 | 0,41 | France |

- 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



(*) OBSERVACIONES:
Remarks
Observations
ALL FLANGES MANUFACTURED IN ULMA, SPAIN
FLANGES ARE FULLY KILLED AND FINE GRAIN PRACTICED
N_NORMALIZED ABOVE 900°C AND COOLED IN AIR.

A. ASTIGARRAGA/QA MANAGER