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(Numero) Number
 (Fecha) Date

V14M837
 15/01/2016

QUALITY ASSURANCE CERTIFICATE OF COMPLIANCE

(ACCORDING TO EN10204 TYPE 3.1)
 ASEGURAMIENTO DE CALIDAD CERTIFICADO DE CUMPLIMIENTO

WE CERTIFY THAT THE PRODUCT LISTED BELOW WAS DESIGNED, MANUFACTURED AND TESTED ACCORDING TO OUR QUALITY SYSTEM AND REQUIREMENTS GIVEN IN ONE OR MORE OF THE FOLLOWING STANDARDS LAST EDITION:
 (CERTIFICAMOS QUE EL PRODUCTO LISTADO ABAJO FUE DISEÑADO, FABRICADO Y PROBADO DE ACUERDO CON NUESTRO SISTEMA DE CALIDAD Y CON REQUISITOS ESTABLECIDOS EN UNO O MAS DE LOS SIGUIENTES ESTANDARES ULTIMA EDICION.)

- API 598 - VALVE INSPECTION AND TESTING
- API 599 - METAL PLUG VALVES - FLANGED, THREADED AND WELDING
- ANSI B16-10 - FACE TO FACE AND END TO END DIMENSIONS OF VALVES
- ANSI B16-34 - VALVES - FLANGED, THREADED AND WELDING ENDS
- MSS-SP61 - PRESSURE TESTING OF STEEL VALVES
- API 594 - CHECK VALVES FLANGED, LUG, WAFER AND BUTT WELDING

- API 6D - PIPELINE VALVES - GATE, PLUG, BALL AND CHECK
- API 600 - STEEL GATE VALVES, FLANGED AND WELDING ENDS
- ANSI B16-11 - FORGED FITTINGS, SOCKET - WELDING AND THREADED
- API 602 - COMPACT STEEL GATE VALVES - FLANGED, THREADED, WELDING AND EXTENDED - BODY ENDS

Part No. **DMA0301A10MAA00000000**
 (Codigo)
Description 3" Fig. 1749 F WCB, 0000000
 Descripción CAST STEEL PLUG VALVE 150 CLASS
 (VALVULA MACHO DE ACERO FUNDIDO CLASE 150)

| PRESSURE TEST (PRUEBAS DE PRESION) | SHELL (CASCO) | BACK (SEAD) | SIDE (LADO) |
|---------------------------------------|------------------|----------------|----------------|
| HYDROSTATIC (PSI) (HIDROSTATICA) | 450 | N A | 315 315 |
| PNEUMATIC (PSI) (NEUMATICA) | | | 80 80 |

CHEMICAL COMPOSITION (%)

COMPOSICIÓN QUÍMICA (%)

MECHANICAL TEST (PROP. MECANICAS)

| ITEM (PARTE) | HEAT No. (COLADA) | MATERIAL (ASTM) | C | Mn | P | S | Si | Ni | Cr | Mo | Cu | V | Cb | TENS KPSI CVN@ | YIELD KPSI 1ST | ELG % | RED % | BHN AVG |
|-----------------|----------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----------------------|----------------------|----------|----------|------------|
| BODY CUERPO | 316974 | ASTM A-216 GR WCB Normalized (Normalizado a) 930 °C | 0.220 | 0.970 | 0.018 | 0.016 | 0.460 | 0.018 | 0.170 | 0.040 | 0.000 | 0.000 | | 72.40 | 43.44 | 27 | 48 | 163 |
| COVER TAPA | 129-13 | ASTM A-216 GR WCB Normalized (Normalizado a) 930 °C | 0.214 | 1.000 | 0.014 | 0.005 | 0.290 | 0.015 | 0.013 | 0.006 | 0.025 | 0.003 | | 76.19 | 50.38 | 28 | 0 | 150 |
| WEDGE DISCO | 1890-6 | ASTM A-395 | 3.600 | 0.300 | 0.040 | 0.003 | 2.500 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | 61.20 | 41.90 | 19 | | 170 |



CERTIFICADO POR:
 ASEGURAMIENTO DE

CERTIFIED BY:
 QUALITY ASSURANCE

Yolanda Ponciano