WALWORTH
Since 1842

*Industrial de Valvulas, S.A de C.V.*
*Av. de La Industria Lote 16 Fracc. Industrial El Trebol*
*Tepotzotlan, Estado de México C.P. 54600*

**(Numero) Number** V07C9151
**(Fecha) Date** 09/11/2007

# QUALITY ASSURANCE CERTIFICATE OF COMPLIANCE

**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:

(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.)

| | |
|---|---|
| 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 6D | - PIPELINE VALVES - GATE, PLUG, BALL ANF 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.** (Código) **AC101A12MAA**

**Description** Descripción **10" Fig. 5202 F 3HF WCB, API TRIM No.12 7900000**

**CAST STEEL GATE VALVE**
**(VALVULA COMPUERTA DE ACERO FUNDIDO)**

**MANUFACTURED TO MEET NACE MR-01-75-2003 REQUIREMEN *TS AND LOW FUGITIVE EMISSIONS CONTROL**
**(VALVULA SERVICIO NACE MR-01-75 *Y CONTROL DE EMISIONES FUGITIVAS 50 PPM'S)**

| PRESSURE TEST (PRUEBAS DE PRESION) | SHELL (CASCO) | BACK (SEAT) | SIDE (LADO) 1 | SIDE (LADO) 2 |
|---|---|---|---|---|
| HYDROSTATIC (PSI) (HIDROSTATICA) | 450 | 450 | 315 | 315 |
| PNEUMATIC (PSI) (NEUMATICA) | | | 80 | 80 |

**MECHANICAL TESTS** (PROP. MECANICAS)

**CHEMICAL COMPOSITION (%)** COMPOSICIÓN QUIMICA (%)

| ITEM (PARTE) | HEAT No. (COLADA) | MATERIAL (ASTM) | C | Mn | P | S | Si | Ni | Cr | Mo | Cu | V | W | TENS KPSI CVN@ | YIELD KPSI 1ST | ELG % 2ND | RED % 3RD | BHN AVG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **BONNET** BONETE | WH27194 | ASTM A-216/WCB | 0.201 | 0.914 | 0.028 | 0.011 | 0.404 | 0.030 | 0.030 | 0.020 | 0.030 | 0.001 | | 75.98 | 45.09 | 33 | 58 | 150 |
| | | | Normalizated to (Normalizado a) 930 °C | | | | Temper to (Temple a) 650 °C | | | | Cooled in air.(Cooled in air. (Enfr) | | | | | | | |
| **BODY** CUERPO | WH18974 | ASTM A-216/WCB | 0.206 | 0.926 | 0.026 | 0.028 | 0.475 | 0.046 | 0.070 | 0.015 | 0.024 | 0.004 | | 84.25 | 43.07 | 32 | 53 | 155 |
| | | | Normalizated to (Normalizado a) 930 °C | | | | Temper to (Temple a) 650 °C | | | | Cooled in air.(Cooled in air. (Enfr) | | | | | | | |
| **WEDGE** DISCO | 310842 | ASTM A-216/WCB | 0.240 | 0.850 | 0.007 | 0.014 | 0.560 | 0.030 | 0.080 | 0.001 | 0.000 | 0.000 | | 80.05 | 42.22 | 27 | 46 | 179 |
| | | | Normalizated to (Normalizado a) 930 °C | | | | Temper to (Temple a) 650 °C | | | | Cooled in air.(Cooled in air. (Enfr) | | | | | | | |

FAC10-21 REV "2"

CERTIFICADO POR:
ASEGURAMIENTO DE CALIDAD

**CERTIFIED BY :**
**QUALITY ASSURANCE**

Sandra Ruiz