WALWORTH Since 1842

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

(Numero) Number V10C18730
(Fecha) Date 20/12/2010

# 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 EDICIÓN.)

| | | | |
|---|---|---|---|
| API 598 | - VALVE INSPECTION AND TESTING | API 6D | - PIPELINE VALVES - GATE, PLUG, BALL AND CHECK |
| API 599 | - METAL PLUG VALVES - FLANGED, THREADED AND WELDING | API 600 | - STEEL GATE VALVES, FLANGED AND WELDING ENDS |
| ANSI B16-10 | - FACE TO FACE AND END TO END DIMENSIONS OF VALVES | ANSI B16-11 | - FORGED FITTINGS, SOCKET - WELDING AND THREADED |
| ANSI B16-34 | - VALVES - FLANGED, THREADED AND WELDING ENDS | API 602 | - COMPACT STEEL GATE VALVES - FLANGED, THREADED, WELDING AND EXTENDED - BODY ENDS |
| MSS-SP61 | - PRESSURE TESTING OF STEEL VALVES | | |

**Part No.** (Código) **AC041A08MAA8300000**

**Description** Descripción **4" Fig. 5202 F UT WCB, API TRIM No.8 830000**

**CAST STEEL GATE VALVE 150 CLASS**
**(VALVULA COMPUERTA DE ACERO FUNDIDO CLASE 150)**

**VALVE WITH LOW EMISSION CONTROL (50 PPM'S MAX.) (VALVULA SUMINISTRADA CON CONTROL DE BAJAS EMISIONES FUGITIVAS (50 PPM'S MAX.) )**

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

| 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 % 2ND | RED % 3RD | BHN AVG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BODY CUERPO | WH26267 | ASTM A-216/WCB | 0.202 | 0.979 | 0.027 | 0.014 | 0.422 | 0.037 | 0.036 | 0.006 | 0.006 | 0.003 | | 74.82 | 42.34 | 26 | 48 | 155 |
| | | | Normalizated to (Normalizado a) 930 | | | | Temper to (Temple a) 650 | | | Cooled in air. (Enfriado en aire.) | | | | | | | | |
| BONNET BONETE | WH27553 | ASTM A-216/WCB | 0.212 | 0.973 | 0.034 | 0.022 | 0.448 | 0.011 | 0.038 | 0.009 | 0.020 | 0.006 | | 80.33 | 53.36 | 29 | 48 | 158 |
| | | | Normalizated to (Normalizado a) 930 | | | | Temper to (Temple a) 650 | | | Cooled in air. (Enfriado en aire.) | | | | | | | | |
| WEDGE DISCO | D3557 | ASTM A-217/CA15 | 0.120 | 0.830 | 0.020 | 0.016 | 0.840 | 0.310 | 12.230 | 0.026 | 0.034 | 0.002 | | 100.92 | 68.44 | 25 | 47 | 271 |
| | | | Normalizado a (Normalizated to) 970 | | | | Temple a (Temper to) 630 | | | Enfriado en aire. (Cooled in air.) | | | | | | | | |

CHEMICAL COMPOSITION (%) — COMPOSICIÓN QUIMICA (%)

MECHANICAL TESTS (PROP. MECANICAS)

FAC10-21 REV "3"

CERTIFICADO POR:
ASEGURAMIENTO DE CALIDAD

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

Jessica García