WALWORTH Since 1842

*Industrial de Válvulas, S.A. de C.V.*
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(Numero) Number: V07C4585
(Fecha) Date: 10/05/2007

# 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 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.** (Codigo) **AC102A08MAB**

**Description** (Descripción) **10" Fig. 5206 F UT WCB, API TRIM No.8 830000**
**VALVULA COMPUERTA DE ACERO FUNDIDO**
**(CAST STEEL GATE VALVE)**
**VALVE WITH LOW EMISSION CONTROL**
**(VALVULA SUMINISTRADA CON CONTROL DE EMISIONES FUGITIVAS A 50 PPM'S MAX)**

| PRESSURE TESTS (PRUEBAS DE PRESION) | SHELL (CASCO) | BACK SEAT | SIDE (LADO) 1 | SIDE (LADO) 2 |
|---|---|---|---|---|
| HYDROSTATIC (PSI) (HIDROSTATICA) | 1125 | 1125 | 815 | 815 |
| PNEUMATIC (PSI) (NEUMATICA) | | | 80 | 80 |

**CHEMICAL COMPOSITION (%)** COMPOSICIÓN QUIMICA (%) — **MECHANICAL TESTS** (PROP. MECANICAS)

| 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 | WH18417 | ASTM A-216/WCB | 0.215 | 0.897 | 0.032 | 0.013 | 0.450 | 0.021 | 0.046 | 0.042 | 0.012 | 0.030 | | 81.78 | 53.50 | 32 | 55 | 154 |
| | Normalizated to (Normalizado a) 930 | | | Temper to (Temple a) 650 | | | | Cooled in air. (Enfriado en aire.) | | | | | | | | | | |
| **WEDGE** DISCO | WH18430 | ASTM A-216/WCB | 0.192 | 0.890 | 0.027 | 0.016 | 0.425 | 0.037 | 0.048 | 0.018 | 0.005 | 0.003 | | 77.14 | 45.53 | 34 | 56 | 155 |
| | Normalizated to (Normalizado a) 930 | | | Temper to (Temple a) 650 | | | | Cooled in air. (Enfriado en aire.) | | | | | | | | | | |
| **BODY** CUERPO | WH62185 | ASTM A-216/WCB | 0.188 | 0.892 | 0.027 | 0.021 | 0.495 | 0.046 | 0.030 | 0.021 | 0.018 | 0.007 | | 74.96 | 43.21 | 26 | 54 | 167 |
| | Normalizated to (Normalizado a) 930 | | | Temper to (Temple a) 650 | | | | Cooled in air. (Enfriado en aire.) | | | | | | | | | | |

CERTIFICADO POR ASEGURAMIENTO DE CALIDAD

**CERTIFIED BY: QUALITY ASSURANCE**

Sandra Ruiz

FAC10-21 REV "2"