



# WALWORTH®

Industrial de Válvulas, S.A. de C.V.  
Av. de la Industria Lote 16 Fracc. Industrial el Trébol  
Tepotzotlán, Estado de México C.P. 54600

(NUMERO) NUMBER:

V03C5755

(FECHA) DATE:

18 JUN 03

## 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 6D - PIPELINE VALVES - GATE, PLUG, BALL AND CHECK
- API 600 - STEEL GATE VALVES - FLANGED AND BUT-WELDING ENDS
- API 598 - VALVE INSPECTION AND TESTING
- API 599 - METAL PLUG VALVES - FLANGED AND WELDING ENDS
- 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

PART. No.: 23780P  
(CODIGO)

DESCRIPTION: 2" FIG. 5202 F UT WCB, API TRIM No. 8  
(DESCRIPCION) VALV. COMP. DE ACERO FUND.

VALVULA SUMINISTRADA CON CONTROL DE EMISIONES  
FUGITIVAS A 50 PPM'S H<sub>2</sub>S

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

### MECHANICAL TESTS (PROP. MECANICAS)

| ITEM<br>(PARTE)  | HEAT<br>No.<br>(COLADA) | MATERIAL<br>(ASTM) | CHEMICAL COMPOSITION (%)<br>(COMPOSICION QUIMICA) |       |       |       |       |       |        |       |       |       |   | MECHANICAL TESTS (PROP. MECANICAS) |                      |                 |                 |            |       |       |      |      |     |
|------------------|-------------------------|--------------------|---|-------|-------|-------|-------|-------|--------|-------|-------|-------|---|------------------------------------|----------------------|-----------------|-----------------|------------|-------|-------|------|------|-----|
|                  |                         |                    | C   | Mn    | P     | S     | Si    | Ni    | Cr     | Mo    | Cu    | V     | W | TENS<br>KPSI<br>CVN@               | YIELD<br>KPSI<br>1ST | ELG<br>%<br>2ND | RED<br>%<br>3RD | BHN<br>AVG |       |       |      |      |     |
| CUERPO           | 3314                    | A 216 WCB          | 0.190   | 0.900 | 0.021 | 0.011 | 0.430 | 0.028 | 0.021  | 0.002 | 0.025 | 0.003 |   |                                    |                      |                 |                 |            | 77.59 | 46.41 | 26.0 | 48.0 | 151 |
| BONETE-TAPA      | 3618                    | A 216 WCB          | 0.190   | 0.910 | 0.025 | 0.016 | 0.490 | 0.000 | 0.030  | 0.000 | 0.028 | 0.003 |   |                                    |                      |                 |                 |            | 74.69 | 43.51 | 28.0 | 54.0 | 148 |
| CUNA-BISCO-TAPON | 34392                   | A 217 CA15         | 0.090   | 1.020 | 0.017 | 0.015 | 0.830 | 0.043 | 12.940 | 0.018 | 0.036 | 0.082 |   |                                    |                      |                 |                 |            | 96.74 | 77.45 | 27.0 | 45.0 | 274 |

CERTIFIED BY:

QUALITY ASSURANCE

CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD