



WALWORTH®

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

(NUMERO) NUMBER:

V03R2530

(FECHA) DATE:

11/12/2003

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.: 01419N
 (CODIGO)

DESCRIPTION: 2" FIG. 5350 F AA WCB, API TRIM No.1
 (DESCRIPCION) CAST STEEL SWING CHECK VALVE (VALVULA RETENCION TIPO COLUMPIO DE ACERO FUNDIDO)

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 | 2 |
| HYDROSTATIC (PSI) (HIDROSTATICA) | 2225 | N A | N A | 1630 |
| PNEUMATIC (PSI) (NEUMATICA) | | | N A | N A |

MECHANICAL TESTS (PROP. MECANICAS)

| ITEM (PARTE) | HEAT No. (COLADA) | MATERIAL (ASTM) | CHEMICAL COMPOSITION (%) (COMPOSICION QUIMICA) | | | | | | | | | | | MECHANICAL TESTS (PROP. MECANICAS) | | | | | | | | | |
|-------------------------------|-------------------------|--------------------|---|-------|-------|-------|-------|-------|--------|-------|-------|-------|---|------------------------------------|-------------|----------|----------|-----|--------|-------|------|------|-----|
| | | | C | Mn | P | S | SI | NI | Cr | Mo | Cu | V | W | TENS | YIELD | ELG | RED | BHN | | | | | |
| | | | | | | | | | | | | | | KPSI CVN@ | KPSI 1ST | % 2ND | % 3RD | AVG | | | | | |
| BODY (CUERPO) | V2804 | A 216 WCB | 0.210 | 0.840 | 0.024 | 0.024 | 0.450 | 0.060 | 0.060 | 0.010 | 0.030 | 0.001 | | | | | | | 73.51 | 45.09 | 30.0 | 53.0 | 147 |
| BONNET COVER (BONETE TAPA) | 53073 | ASTM A105 | 0.200 | 0.800 | 0.020 | 0.020 | 0.220 | 0.080 | 0.100 | 0.001 | 0.040 | 0.000 | | | | | | | 77.58 | 50.03 | 24.0 | 49.0 | 160 |
| WEDGE DISK PLUG (DISCO) | C3420 | 217 CA15 | 0.100 | 0.740 | 0.017 | 0.010 | 0.780 | 0.500 | 13.790 | 0.290 | 0.000 | 0.000 | | | | | | | 104.83 | 76.70 | 28.0 | 40.0 | 268 |

CERTIFIED BY:


 QUALITY ASSURANCE

CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD