



WALWORTH
Since 1842

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

(Numero) Number
(Fecha) Date

V10G2121
27/01/2010

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 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
API 600
ANSI B16-11
API 602

- PIPELINE VALVES - GATE, PLUG, BALL AND CHECK
- STEEL GATE VALVES, FLANGED AND WELDING ENDS
- FORGED FITTINGS, SOCKET - WELDING AND THREADED
- COMPACT STEEL GATE VALVES - FLANGED, THREADED, WELDING AND EXTENDED - BODY ENDS

Part No. **AG031A08MAB830000G**
(Código)
Description **3" Fig. 5275 F UT WCB, API TRIM No.8 830000G**
Descripción **CAST STEEL GLOBE VALVE 150 CLASS**
(VALVULA GLOBO DE ACERO FUNDIDO 150 CLASS)

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

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

MECHANICAL TESTS (PROP. MECANICAS)

| CHEMICAL COMPOSITION (%) | | | | | | | | | | | COMPOSICIÓN QUIMICA (%) | | | | | TENS | YIELD | ELG | RED | BHN |
|--------------------------|-------------------|-----------------|---|----|---|---|----|----|----|----|-------------------------|---|----|-----------|----------|-------|-------|-----|-----|-----|
| ITEM (PARTE) | HEAT No. (COLADA) | MATERIAL (ASTM) | C | Mn | P | S | Si | Ni | Cr | Mo | Cu | V | Cb | KPSI CVN@ | KPSI 1ST | % 2ND | % 3RD | AVG | | |

| | | | | | | | | | | | | | | | | | | |
|-------------------------|-------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|-------|-------|----|----|-----|
| BODY CUERPO | H4357 | ASTM A-216/WCB | 0.210 | 0.720 | 0.017 | 0.018 | 0.450 | 0.030 | 0.050 | 0.040 | 0.060 | 0.010 | | 76.41 | 40.60 | 33 | 41 | 154 |
| BONNET BONETE | H4190 | ASTM A-216/WCB | 0.180 | 0.680 | 0.020 | 0.019 | 0.430 | 0.080 | 0.060 | 0.050 | 0.070 | 0.010 | | 75.25 | 40.74 | 31 | 44 | 162 |
| WEDGE DISCO | H4152 | ASTM A-216/WCB | 0.180 | 0.680 | 0.020 | 0.019 | 0.410 | 0.040 | 0.060 | 0.060 | 0.050 | 0.010 | | 74.53 | 40.45 | 32 | 41 | 160 |

PLEASE ANAHUAC Y CIAS. S.A. DE C.V.
CONTROL DE CALIDAD
FECHA 28 Feb 2010
0000231
Firma Enrique Ruiz

CERTIFICADO POR:
ASEGURAMIENTO DE CALIDAD

CERTIFIED BY :
QUALITY ASSURANCE

JESSICA GARCIA