



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

V08C21556
 03/09/2008

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 PRUBADO DE ACUERDO CON NUESTRO SISTEMA DE CALIDAD Y CON REQUISITOS ESTABLECIDOS EN UNO O MAS DE LOS SIGUIENTES ESTANDARES ULTIMA EDICION.)

- VALVE INSPECTION AND TESTING
- METAL PLUG VALVES - FLANGED, THREADED AND WELDING
- FACE TO FACE AND END TO END DIMENSIONS OF VALVES
- VALVES - FLANGED, THREADED AND WELDING ENDS
- PRESSURE TESTING OF STEEL VALVES
- 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. AC031A08MAA8300000

(Codigo) 3^{er} Fig. 5202 F UT WCB, API TRIM No.8 8300000

Description CAST STEEL GATE VALVE
 (VALVULA COMPUERTA DE ACERO FUNDIDO)

VALVE WITH LOW EMISSION CONTROL. (VALVULA SEMINISTRADA 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 | N A | N A |
| PNEUMATIC (PSI) (NEUMATICA) | | | 80 | 80 |

MECHANICAL TESTS (PROP. MECANICAS)

| CHEMICAL COMPOSITION (%) | COMPOSICIÓN QUÍMICA (%) | | | | | TENS | YIELD | ELG | RED | BHN | | | | | | |
|--------------------------|-------------------------|----|---|---|----|------|-------|-----|-----|-----|----|------------------------------|-------------|----------|----------|-----|
| | C | Mn | P | S | Si | Ni | Cr | Mo | Cu | V | Cb | KPSI (CVN ₆₀) | KPSI 1ST | % 2ND | % 3RD | AVG |

| | | | | | | | | | | | | | | | | | | |
|--------------|--------------------|-----------------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|----|-----|-----|
| ITEM (PARTE) | HEAT No. (COLADAV) | MATERIAL (ASTM) | | | | | | | | | | | | | | | | |
| BONNET | WH22803 | ASTM A-216 WCB | 0.209 | 0.852 | 0.017 | 0.028 | 0.470 | 0.001 | 0.030 | 0.030 | 0.030 | 0.026 | 0.005 | 76.56 | 48.58 | 28 | 46 | 162 |
| BONNET | WH22861 | ASTM A-216 WCB | 0.201 | 0.899 | 0.021 | 0.016 | 0.460 | 0.030 | 0.022 | 0.032 | 0.031 | 0.001 | 74.24 | 46.40 | 28 | 46 | 162 | |
| WEDGE DISCO | D3895 | ASTM A-217 CA15 | 0.100 | 0.760 | 0.020 | 0.021 | 0.840 | 0.660 | 12.380 | 0.018 | 0.047 | 0.002 | 97.73 | 71.63 | 24 | 48 | 271 | |

CERTIFICADO POR:
 ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:
 QUALITY ASSURANCE
 JESSICA GARCIA