



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

(Numero) Number V08C10369
 (Fecha) Date 06/02/2008

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

- 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 ANF 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. **AC061A08MAB**

(Codigo) **6" Fig. 5202 F UT WCB, API TRIM No.8 830000K**

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)

| TEST | RESULTS | REQUIREMENTS |
|------------------------------------|-------------------|-----------------|
| PRESSURE TEST (PRUEBAS DE PRESION) | SHELL (CASCO) 450 | BACK (SEAL) 450 |
| HYDROSTATIC (PSD) (HIDROSTATICA) | 450 | N/A |
| PNEUMATIC (PSD) (NEUMATICA) | 80 | 80 |

CHEMICAL COMPOSITION (%)

COMPOSICIÓN QUIMICA (%)

| ITEM (PARTES) | HEAT No. (CODIGO) | MATERIAL (ASTM) | C | Mn | P | S | Si | Ni | Cr | Mo | Cu | V | Cb | TENS (KPSI CVM/6) | YIELD (KPSI 1ST) | ELG (% 2ND) | RED (% 3RD) | BHN (LADO) 2 |
|---------------|-------------------|-----------------|---|-------|-------|-------|-------|-------|--------|-------|-------|-------|----|-------------------|------------------|-------------|-------------|--------------|
| BONNET | WH23792 | ASTM A-216/WCB | 0.214 | 0.964 | 0.025 | 0.017 | 0.365 | 0.030 | 0.036 | 0.004 | 0.026 | 0.005 | | 75.69 | 45.24 | 31 | 53 | 153 |
| BONNET | WH23792 | ASTM A-216/WCB | Normalized to (Normalized a) 920 °C | | | | | | | | | | | | | | | |
| BODY | WH23533 | ASTM A-216/WCB | 0.198 | 0.936 | 0.019 | 0.014 | 0.491 | 0.005 | 0.012 | 0.020 | 0.018 | 0.001 | | 75.83 | 42.48 | 32 | 57 | 155 |
| BODY | WH23533 | ASTM A-216/WCB | Normalized to (Normalized a) 920 °C | | | | | | | | | | | | | | | |
| WEDGE | D7359 | ASTM A-217/CA15 | 0.120 | 0.850 | 0.016 | 0.012 | 0.940 | 0.910 | 12.190 | 0.012 | 0.044 | 0.001 | | 99.91 | 68.58 | 26 | 47 | 273 |
| WEDGE | D7359 | ASTM A-217/CA15 | Normalized a (Normalized to) 970 °C | | | | | | | | | | | | | | | |
| DISCO | | | Temple a (Temper to) 630 °C | | | | | | | | | | | | | | | |
| | | | Enfriado en aire (Enfriado en aire. (C) | | | | | | | | | | | | | | | |

MECHANICAL TESTS (PROP. MECANICAS)

CERTIFICADO POR: ASSEGURAMIENTO DE CALIDAD

CERTIFIED BY: 
 Sandra Ruiz

QUALITY ASSURANCE