



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 V07C22047  
 (Fecha) Date 05/02/2008

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

- API 598 - VALVE INSPECTION AND TESTING
- API 600 - PIPELINE VALVES - GATE, PLUG, BALL AND CHECK
- ANSI B16-10 - METAL PLUG VALVES - FLANGED, THREADED AND WELDING
- ANSI B16-34 - FACE TO FACE AND END TO END DIMENSIONS OF VALVES
- MSS-SP61 - VALVES - FLANGED, THREADED AND WELDING ENDS
- PRESSURE TESTING OF STEEL VALVES
- API 602 - FORGED FITTINGS, SOCKET - WELDING AND THREADED
- COMPACT STEEL GATE VALVES - FLANGED, THREADED, WELDING AND EXTENDED - BODY ENDS

Part No. **AC022A08MAB**  
 (Codigo) **2 1/2" Fig. 5206 F UT WCB, API TRIM No.8 830000M**  
 Description **CAST STEEL GATE VALVE**  
**(VALVULA COMPUERTA DE ACERO FUNDIDO)**  
 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)
HYDROSTATIC (PSI) (HIDROSTATICA)	1125	1125	N A N A
PNEUMATIC (PSID) (PNEUMATICA)			80 80

### CHEMICAL COMPOSITION (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	TENS KPSI CVN60	YIELD KPSI 1ST	ELG % 2ND	RED % 3RD	BHN AVG
BONNET BONETE	WH15136	ASTM A-216/WCB	0.216	0.852	0.038	0.031	0.454	0.041	0.039	0.012	0.005	0.001		87.58	49.88	28	49	159
BODY CUERPO	WH11600	ASTM A-216/WCB	0.194	0.951	0.024	0.018	0.502	0.046	0.029	0.040	0.008			74.24	44.08	28	49	152
WEDGE DISCO	D0638	ASTM A-216/WCB	0.200	0.900	0.030	0.016	0.540	0.036	0.109	0.015	0.039	0.002		76.71	45.24	26	41	172

### COMPOSICION QUIMICA (%)

### MECHANICAL TESTS (PROF. MECANICAS)

CERTIFIED BY:  
 QUALITY ASSURANCE  
  
 Sandra Ruiz