



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 V08C11038  
 (Fecha) Date 01/02/2008

## 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. **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 (PSI) (NEUMATICA)			80 80

### CHEMICAL COMPOSITION (%)

ITEM (PARTE)	HEAT No. (COLDADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	TENS (KPSI CNVg)	YIELD (KPSI 1ST)	ELG (% 2ND)	RED (% 3RD)	BHN (AVG)
BONNET	WH17093	ASTM A-216/WCB	0.188	0.979	0.025	0.020	0.425	0.043	0.043	0.015	0.005	0.001		83.52	41.47	31	62	160
BONNET	WH19927	ASTM A-216/WCB	0.191	0.948	0.027	0.018	0.456	0.037	0.072	0.020	0.008	0.003		79.46	49.59	29	56	158
WEDGE	D3669	ASTM A-217/CA15	0.130	0.870	0.018	0.012	0.870	0.840	12.830	0.023	0.014	0.002		99.76	71.05	24	49	275

Normalizado a (Normalized to) 920 °C  
 Normalizado a (Normalized to) 970 °C  
 Normalizado a (Normalized to) 630 °C  
 Enfriado en aire (Enfriado en aire: (C))  
 Tempe a (Temper to) 650 °C  
 Tempe a (Temper to) 920 °C  
 Tempe a (Temper to) 970 °C  
 Cooled in air (Cooled in air: (Enfr))  
 Cooled in air (Cooled in air: (Enfr))  
 Cooled in air (Cooled in air: (Enfr))  
 Enfriado en aire (Enfriado en aire: (C))

CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD  
 CERTIFIED BY: QUALITY ASSURANCE  
 Sandra Ruiz