



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

(Numero) Number  
 (Fecha) Date

V07C36755  
 29/01/2008

# 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. **AC041A08MAB**  
 (Codigo)  
**4" 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)

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
--------------------------	-------------------------	--	--	--	--	------	-------	-----	-----	-----

ITEM (PARTE)	HEAT No. (CODADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	KPSI CVN@	KPSI 1ST	% 2ND	% 3RD	AVG
BONNET BONETE	WH23925	ASTM A-216/WCB	0.196	0.871	0.030	0.018	0.468	0.005	0.033	0.006	0.039	0.001		78.88	49.16	33	47	158
BODY CUERPO	WH24289	ASTM A-216/WCB	0.203	0.948	0.060	0.019	0.423	0.019	0.050	0.021	0.054	0.006		75.69	46.54	29	52	152
WEDGE DISCO	D5432	ASTM A-217/CA15	Normalized to 0.120	Normalized to 0.820	Normalized to 0.012	0.020	Temper to (Temple a) 650 °C	0.860	0.410	12.740	0.025	0.043	0.001	100.34	68.44	27	43	274

CERTIFICADO POR: ASSEGURAMIENTO DE CALIDAD  
 CERTIFIED BY: QUALITY ASSURANCE

  
 Sandra Ruiz