



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

(Numero) Number  
 (Fecha) Date

V07C8968  
 09/11/2007

## 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)

- API 598 - VALVE INSPECTION AND TESTING
- API 599 - METAL PLUG VALVES - FLANGED, THREADED AND WELDING
- ANSI B16-10 - FACE TO FACE AND END TO END DIMENSIONS OF VALVES
- ANSI B16-34 - VALVES - FLANGED, THREADED AND WELDING ENDS
- MSS-SP61 - PRESSURE TESTING OF STEEL VALVES

- API 6D - PIPELINE VALVES - GATE, PLUG, BALL ANF CHECK
- API 600 - STEEL GATE VALVES, FLANGED AND WELDING ENDS
- ANSI B16-11 - FORGED FITTINGS, SOCKET - WELDING AND THREADED
- API 602 - COMPACT STEEL GATE VALVES - FLANGED, THREADED, WELDING AND EXTENDED - BODY ENDS

Part No. **AC081A12MAB**

(Codigo) **8" Fig. 5202 F 3HF WCB, API TRIM No.12 790000M**

Description **CAST STEEL GATE VALVE  
 (VALVULA COMPUERTA DE ACERO FUNDIDO)**  
 MANUFACTURED TO MEET NACE MR-01-75-2003 REQUIREMEN \*TS AND LOW FLUCTIVE EMISSIONS CONTROL.  
 (VALVULA SERVICIO NACE MR-01-75 \*Y CONTROL DE EMISIONES FUGITIVAS 50 PPM'S)

PRESSURE TEST (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK (SEAT)	SIDE (LADO)
HYDROSTATIC (PSD) (HIDROSTATICA)	450	450	315
PNEUMATIC (PSD) (NEUMATICA)			80

#### MECHANICAL TESTS (PROP. MECANICAS)

#### CHEMICAL COMPOSITION (%)

#### COMPOSICIÓN QUIMICA (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	TENS KSI CVN/σ <sub>0.2</sub>	YIELD KSI 1ST	ELG %	RED %	BHN AVG
BONNET BONETE	WH22391	ASTM A-216/WCB	0.200	0.948	0.021	0.020	0.428	0.024	0.022	0.028	0.033	0.001		74.97	43.36	25	46	159
BODY CUERPO	WH22031	ASTM A-216/WCB	0.201	0.982	0.021	0.014	0.526	0.029	0.050	0.020	0.052	0.003		75.54	43.64	28	56	155
WEDGE DISCO	WH24203	ASTM A-216/WCB	0.202	0.952	0.023	0.013	0.432	0.031	0.027	0.066	0.028	0.001		76.85	38.42	34	45	156

CERTIFICADO POR:  
 ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:  
 QUALITY ASSURANCE