



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 V07C35950  
 (Fecha) Date 21/11/2007

## 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. AC031A08MAA (Codigo)

Description 3" Fig. 5202 F UT WCB, API TRIM No.8 7900000

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

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

### CHEMICAL COMPOSITION (%)

ITEM (PARTID)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	TENS (KPSI) (CVN <sub>50</sub> )	YIELD (KPSI) 1ST	ELG % 2ND	RED % 3RD	BHN AVG
BONNET	XS413	ASTM A-216/WCB	0.210	0.730	0.030	0.027	0.390	0.064	0.120	0.020				75.11	45.09	25	44	162
BONNET	WH19060	ASTM A-216/WCB	0.195	0.860	0.026	0.029	0.535	0.041	0.073	0.019				80.91	53.22	32	57	158
WEDGE DISCO	WH81252	ASTM A-217/CA15	0.125	0.715	0.024	0.024	0.621	0.026	12.950	0.015				97.44	72.94	29	38	300

### MECHANICAL TESTS (PROP. MECANICAS)

  
 Sandra Ruiz