



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 V07C12996
 (Fecha) Date 11/12/2007

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. AC041A08MAA

(Codigo) 4" Fig. 5202 F UT WCB, API TRIM No.8 83000000

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)

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

CHEMICAL COMPOSITION (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	TENS (KPSI CVN@)	YIELD (KPSI 1ST)	ELG (%) 2ND	RED (%) 3RD	BHN AVG
BONNET	WH18696	ASTM A-216/WCB	0.201	0.930	0.020	0.014	0.413	0.050	0.045	0.022	0.035	0.003		74.09	46.40	33	52	159
BONETE			Normalized to (Normalized a) 930 °C															
BODY	XS424	ASTM A-216/WCB	0.219	0.896	0.021	0.015	0.473	0.039	0.038	0.020	0.018	0.001		87.14	48.72	32	46	151
CUERPO			Normalized to (Normalized a) 930 °C															
WEDGE	WH81263	ASTM A-217/CA15	0.127	0.802	0.020	0.003	0.489	0.135	12.770	0.004	0.024	0.001		100.34	74.67	30	48	300
DISCO			Normalized a (Normalized to) 970 °C															

MECHANICAL TESTS (PROP. MECANICAS)

FACI-0-21 REV "2"

CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:

QUALITY ASSURANCE