



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 V07C37981
 (Fecha) Date 10/12/2007

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. AC011A08MAB

(Codigo) 2" 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 SUMINISTRADA CON CONTROL DE EMISIONES FUGITIVAS A 50 PPMV MAX)

TEST	VALVE	REQUIREMENT	ACTUAL
PRESSURE TEST (PRUEBAS DE PRESION)	HYDROSTATIC (PSD) (HIDROSTATICA)	SHELL (CASCO)	450
		BACK (SEAT)	450
PNEUMATIC (PSD) (NEUMATICA)		SIDE 1 (LADO)	N/A
		SIDE 2 (LADO)	N/A
			80

CHEMICAL COMPOSITION (%)	COMPOSICIÓN QUIMICA (%)												
ITEM (PARTE) (COLADA)	HEAT No. (CO/ADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W
BONNET	WH24347	ASTM A-216/WCB	0.208	0.915	0.029	0.023	0.437	0.030	0.014	0.037	0.036	0.003	
BONNET	WH21631	ASTM A-216/WCB	0.213	0.960	0.024	0.018	0.441	0.047	0.062	0.022	0.022	0.005	
CUERPO	D4288	ASTM A-217/CA15	0.090	0.800	0.032	0.016	0.800	0.067	12.000	0.041	0.045	0.001	
DISCO			Normalizado a (Normalized to) 970 °C										
			Temple a (Temper to) 630 °C										

MECHANICAL TESTS (PROP. MECANICAS)												
TENS	YIELD	ELG	RED	BHN								
KPSI CVN@	KPSI 1ST	% 2ND	% 3RD	AVG								
88.01	43.35	29	42	154								
85.99	46.11	29	48	154								
99.04	71.34	28	44	271								

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FACI0-21 REV "2"

CERTIFICADO POR:
 ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:
 QUALITY ASSURANCE

 Sandra Ruiz