



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 V08C11007
 (Fecha) Date 01/02/2008

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.)

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|-------------|---|-------------|---|
| API 598 | - VALVE INSPECTION AND TESTING | API 6D | - PIPELINE VALVES - GATE, PLUG, BALL ANF CHECK |
| API 599 | - METAL PLUG VALVES - FLANGED, THREADED AND WELDING | API 600 | - STEEL GATE VALVES, FLANGED AND WELDING ENDS |
| ANSI B16-10 | - FACE TO FACE AND END TO END DIMENSIONS OF VALVES | ANSI B16-11 | - FORGED FITTINGS, SOCKET - WELDING AND THREADED |
| ANSI B16-34 | - VALVES - FLANGED, THREADED AND WELDING ENDS | API 602 | - COMPACT STEEL GATE VALVES - FLANGED, THREADED, WELDING AND EXTENDED - BODY ENDS |
| MSS-SP61 | - PRESSURE TESTING OF STEEL VALVES | | |

Part No. AC022A08MAB
(Codigo) 2 1/2" Fig. 5206 F UT WCB, API TRIM No.8 830000M
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)

PRESSURE TEST (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK (SEAL)	SIDE (LADO)	
HYDROSTATIC (PSI) (HIDROSTATICA)	1125	1125	1	2
PNEUMATIC (PSI) (NEUMATICA)			80	80

CHEMICAL COMPOSITION (%)

ITEM (PARTE)	HEAT No. (CODADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	TENS (KPSI CVN@)	YIELD (KPSI 1ST)	ELG (%) 2ND	RED (%) 3RD	BHN AVG
BONNET	WH19893	ASTM A-216/WCB	0.192	0.920	0.033	0.028	0.458	0.037	0.067	0.016	0.005	0.004		79.61	48.72	30	46	158
BONNET BONNETE			Normalized to (Normalized a) 920 °C			Temper to (Temper a) 650 °C			Cooled in air; (Cooled in air; (Enfr)				83.67	53.51	29	47	152	
BODY	WH19892	ASTM A-216/WCB	0.200	0.905	0.025	0.017	0.487	0.037	0.067	0.017	0.017	0.004						
CUERPO			Normalized to (Normalized a) 920 °C			Temper to (Temper a) 650 °C			Cooled in air; (Cooled in air; (Enfr)									
WEDGE	D3388	ASTM A-217/CA15	0.130	0.790	0.028	0.019	0.970	0.110	12.470	0.012	0.040	0.001		97.59	72.07	28	49	272
DISCO			Normalized a (Normalized to) 970 °C			Temple a (Temper to) 650 °C			Enfriado en aire; (Enfriado en aire; (C)									

MECHANICAL TESTS (PROP. MECANICAS)

CERTIFICADO POR: ASSEGURAMIENTO DE CALIDAD
 CERTIFIED BY: QUALITY ASSURANCE


 Sandra Ruiz