WALWORTH
Since 1842

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

(Numero) Number **V07C8960**
(Fecha) Date **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 PROBADO 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. (Código) **AC081A12MAB**

Description Descripción **8" Fig. 5202 F 3HF WCB, API TRIM No.12 790000M**

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 *Y CONTROL DE EMISIONES FUGITIVAS 50 PPM'S)

PRESSURE TEST (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK (SEAT)	SIDE (LADO) 1	SIDE (LADO) 2
HYDROSTATIC (PSI) (HIDROSTATICA)	450	450	315	315
PNEUMATIC (PSI) (NEUMATICA)			80	80

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	CHEMICAL COMPOSITION (%) / COMPOSICIÓN QUIMICA (%) C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	MECHANICAL TESTS (PROP. MECANICAS) TENS KPSI CVN@	YIELD KPSI 1ST	ELG % 2ND	RED % 3RD	BHN AVG
BONNET BONETE	WH22444	ASTM A-216/WCB	0.191	0.952	0.025	0.014	0.400	0.023	0.050	0.039	0.030	0.001		72.65	43.36	27	48	158
			Normalizated to (Normalizado a) 930 °C							Cooled in air.(Cooled in air. (Enfr)								
BODY CUERPO	WH22296	ASTM A-216/WCB	0.197	0.865	0.030	0.017	0.509	0.026	0.046	0.022	0.032	0.004		74.96	42.77	26	49	163
			Normalizated to (Normalizado a) 930 °C				Temper to (Temple a) 650 °C				Cooled in air.(Cooled in air. (Enfr)							
WEDGE DISCO	WH22161	ASTM A-216/WCB	0.196	0.999	0.023	0.015	0.480	0.044	0.043	0.018	0.006	0.004		84.10	4350.00	25	40	154
			Normalizated to (Normalizado a) 930 °C				Temper to (Temple a) 650 °C				Cooled in air.(Cooled in air. (Enfr)							

FAC10-21 REV "2"

CERTIFICADO POR:
ASEGURAMIENTO DE CALIDAD

CERTIFIED BY :
QUALITY ASSURANCE

Sandra Ruiz