



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

(Numero) Number **V07C8433**
 (Fecha) Date **28/09/2007**

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. AC101A12MAB
 (Codigo)
Description 10" Fig. 5202 F 3HF WCB, API TRIM No.12 790000M
 Descripción
 (VALVULA COMPUERTA DE ACERO FUNDIDO)
 CAST STEEL GATE VALVE
 (VALVULA COMPUERTA DE ACERO FUNDIDO)
 MANUFACTURED TO MET 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	2
HYDROSTATIC (PSI) (HIDROSTATICA)	450	450	315	315
PNEUMATIC (PSI) (NEUMATICA)			80	80

CHEMICAL COMPOSITION (%)	COMPOSICIÓN QUIMICA (%)					MECHANICAL TESTS (PROP. MECANICAS)				
	TENS	YIELD	ELG	RED	BHN					

ITEM (PARTE)	HEAT No. (CODADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	KPSI CVN ₆₀	KPSI 1ST	% 2ND	% 3RD	AVG
BONNET BONETE	WH21371	ASTM A-216/WCB	0.205	0.922	0.027	0.017	0.532	0.052	0.056	0.016	0.025	0.001		70.91	37.85	27	42	159
BODY CUERPO	WH18930	ASTM A-216/WCB	0.194	0.987	0.026	0.031	0.435	0.055	0.058	0.024	0.018	0.003		71.34	36.40	27	51	157
WEDGE DISCO	WH21322	ASTM A-216/WCB	0.190	0.963	0.030	0.019	0.455	0.041	0.041	0.022	0.015	0.004		80.91	46.11	31	54	156

FACIO-21 REV "2"

CERTIFICADO POR:
 ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:
 QUALITY ASSURANCE