



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 V07C35994
 (Fecha) Date 21/11/2007

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 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. AC031A08MAA
 (Codigo)

Description 3" Fig. 5202 F UT WCB, API TRIM No.8 7900000
 Descripción

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 SO PPM'S)

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

CHEMICAL COMPOSITION (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	COMPOSICIÓN QUIMICA (%)															
			C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	TENS KPSI CVM@	YIELD KPSI 1ST	ELG %	RED %	BHN AVG
BONNET	XS413	ASTM A-216/WCB	0.210	0.730	0.030	0.027	0.390	0.064	0.120	0.020				75.11	45.09	25	44	162
BONNET			Normalized to (Normalized a) 920 °C															
BONNET			0.195	0.860	0.026	0.029	Temper to (Temple a) 650 °C		0.073	0.019	0.022	0.003		80.91	53.22	32	57	158
BODY	WH19060	ASTM A-216/WCB	Normalized to (Normalized a) 930 °C															
BODY			0.122	0.785	0.036	0.015	0.808	0.143	13.710	0.069	0.028	0.026		99.76	72.07	23	42	296
BODY			Enfriado en aire. (Enfriado en aire. (C))															
WEDGE	WH81470	ASTM A-217/CA15	Normalized to (Normalized to) 970 °C															
WEDGE			Enfriado en aire. (Enfriado en aire. (C))															

MECHANICAL TESTS (PROP. MECANICAS)

FACI0-21 REV "2"

CERTIFICADO POR:
 ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:
 QUALITY ASSURANCE

 Sandra Ruiz