



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

(Numero) Number V07G4146
 (Fecha) Date 26/11/2007

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. AG031A08MAA

(Codigo) 3" Fig. 5275 F UT WCB, API TRIM No.8 8300000

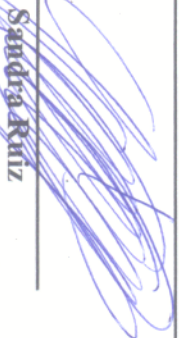
Description CAST STEEL GLOBE VALVE
 (VALVULA GLOBO DE ACERO FUNDIDO)
 VALVE WITH LOW EMISSION CONTROL
 (VALVULA SUMINISTRADA CON CONTROL DE EMISIONES FUGITIVAS A 50 PPM'S MAX)

PRESSURE TEST (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK (SEAL)	SIDE (LADO)
HYDROSTATIC (PSI) (HIDROSTATICA)	450	450	315
PNEUMATIC (PSI) (PNEUMATICA)			80
			2
			NA

MECHANICAL TESTS (PROF. MECANICAS)

CHEMICAL COMPOSITION (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	TENS KPSI CVIN@	YIELD KPSI 1ST	ELG %	RED %	BHN AVG
BONNET	WH15008	ASTM A-216/WCB	0.199	0.873	0.027	0.020	0.438	0.035	0.043	0.019	0.005	0.001		85.69	48.28	32	57	154
BONNET			Normalized to (Normalizado a) 930 °C															
BODY	XS011.	ASTM A-216/WCB	0.220	0.967	0.017	0.027	0.467	0.035	0.062	0.015	0.022	0.003		73.95	44.66	27	47	152
BODY			Normalized to (Normalizado a) 930 °C															
WEDGE	1309-06	ASTM A-276 GR 410	0.140	0.770	0.022	0.009	0.570	0.430	12.320	0.000	0.190	0.000		101.38	58.89	24	57	200
WEDGE			Normalized to (Normalizado a) 930 °C															


 Sandra Ruiz