



**WALWORTH**  
Since 1842

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

(Numero) Number V07G4406  
(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 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)

<b>PRESSURE TEST</b> (PRUEBAS DE PRESSION)	<b>SHELL</b> (CASCO)	<b>BACK</b> (SEAT)	<b>SIDE</b> (LADO)
<b>HYDROSTATIC (PSI)</b> (HIDROSTATICA)	450	450	315
<b>PNEUMATIC (PSI)</b> (NEUMATICA)			80
			N A

### MECHANICAL TESTS (PROP. MECANICAS)

### CHEMICAL COMPOSITION (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	TENS KPSI CVMm	YIELD KPSI IST	ELG %	RED %	BHN AVG
<b>BONNET</b> BONETE	WH5692	ASTM A-216/WCB	0.216	0.920	0.020	0.010	0.517	0.040	0.070	0.010	0.040	0.001	0.000	75.54	47.70	24	52	165
<b>BODY</b> CUERPO	WH15994	ASTM A-216/WCB	0.206	0.960	0.022	0.023	0.434	0.047	0.079	0.022	0.012	0.005		75.11	44.80	32	51	156
<b>WEDGE</b> DISCO	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

CERTIFICADO POR:  
ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:  
QUALITY ASSURANCE

Sandra Ruiz