



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 V08G2102  
 (Fecha) Date 15/02/2008

## 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.)

- VALVE INSPECTION AND TESTING
- METAL PLUG VALVES - FLANGED, THREADED AND WELDING
- FACE TO FACE AND END TO END DIMENSIONS OF VALVES
- VALVES - FLANGED, THREADED AND WELDING ENDS
- PRESSURE TESTING OF STEEL VALVES
- PIPELINE VALVES - GATE, PLUG, BALL ANF CHECK
- STEEL GATE VALVES, FLANGED AND WELDING ENDS
- FORGED FITTINGS, SOCKET - WELDING AND THREADED
- COMPACT STEEL GATE VALVES - FLANGED, THREADED, WELDING AND EXTENDED - BODY ENDS

Part No. **AG021A08MAA**  
 (Codigo)  
**2 1/2" 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 (SEAT)	SIDE (LADO)	
			1	2
HYDROSTATIC (PSI) (HIDROSTATICA)	450	450	315	N A
PNEUMATIC (PSI) (NEUMATICA)			80	N A

### MECHANICAL TESTS (PROP. MECANICAS)

CHEMICAL COMPOSITION (%)	COMPOSICIÓN QUÍMICA (%)				
	TENS	YIELD	ELG	RED	BHN

ITEM (PARTE)	HEAT No. (CODADA)	MATERIAL (ASTM)	C	Mn	P	S	SI	Ni	Cr	Mo	Cu	V	Cb	TENS KPSI (CASCO)	YIELD KPSI 1ST	ELG %	RED %	BHN AVG
BONNET	311028	ASTM A-216/WCB	0.230	0.730	0.014	0.006	0.570	0.040	0.040	0.001	0.000	0.000		79.90	42.30	25	47	170
BONNETE			Normalized to (Normalizado a) 930 °C															
BODY	874A334	ASTM A-216/WCB	0.200	0.780	0.015	0.027	0.380	0.100	0.160	0.050	0.105	0.002		72.43	49.41	28	45	156
CUERPO			Normalized to (Normalizado a) 930 °C															
WEDGE	676-07	ASTM A-276 GR 410	0.117	0.490	0.024	0.004	0.499	0.203	12.730	0.034	0.202			74.00	56.00	35	50	156
DISCO			Normalized to (Normalizado a) 930 °C															

FACI0-21 REV "2"

CERTIFICADO POR:  
 ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:  
 QUALITY ASSURANCE

Sandra Ruiz