



Industrial de Valvulas, S.A de C.V.  
 Av. de La Industria Lote 16 Fracc. Industrial El Trebol  
 Tepic, Jalisco, Estado de Mexico C.P. 34600

(Numero) Number  
 (Fecha) Date

V08G2123  
 04/03/2008

# QUALITY ASSURANCE CERTIFICATE OF COMPLIANCE

(ACCORDING TO EN10204 TYPE 3.1)  
 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  
 (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  
 FOLLOWING STANDARDS LAST EDITION:  
 ESTANDARES ULTIMA EDICION.)

- |             |   |             |   |
|-------------|---|-------------|---|
| API 598     | - VALVE INSPECTION AND TESTING                      | API 6D      | - PIPELINE VALVES - GATE, PLUG, BALL AND CHECK                                    |
| API 599     | - METAL PLUG VALVES - FLANGED, THREADED AND WELDING | API 600     | - STEEL GATE VALVES, FLANGED AND WELDING ENDS                                     |
| ANSI B16-10 | - FACE TO FACE AND END TO END DIMENSIONS OF VALVES  | ANSI B16-11 | - FORGED FITTINGS, SOCKET - WELDING AND THREADED                                  |
| ANSI B16-34 | - VALVES - FLANGED, THREADED AND WELDING ENDS       | API 602     | - COMPACT STEEL GATE VALVES - FLANGED, THREADED, WELDING AND EXTENDED - BODY ENDS |
| MSS-SP61    | - PRESSURE TESTING OF STEEL VALVES                  |             |   |

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 (SEAT)	SIDE (LADO)
			1 2
HYDROSTATIC (PSI) (HIDROSTATICA)	450	450	315 N A
PNEUMATIC (PSI) (PNEUMATICA)			80 N A

## CHEMICAL COMPOSITION (%)

## COMPOSICIÓN QUÍMICA (%)

## TENS YIELD ELG RED BHN

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	TENS KSI CVN@	YIELD KSI 1ST	ELG %	RED %	BHN AVG
BONNET BONETE	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
BODY CUERPO	WH13631	ASTM A-216/WCB	Normalized to (Normalizado a) 930 °C 0.186	0.873	0.029	0.022	Temper to (Temple a) 650 °C 0.450	0.050	0.040	0.010	0.040	0.001		73.80	47.12	25	45	168
WEDGE DISCO	759-07	ASTM A-276 GR 410	Normalized to (Normalizado a) 930 °C 0.110	0.732	0.019	0.008	0.568	0.537	11.950	0.038	0.038	0.000		88.00	75.00	35	50	187

## MECHANICAL TESTS (PROP. MECANICAS)

Sandra Ruiz