



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

(Numero) Number V10G2606  
 (Fecha) Date 26/03/2010

# 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 FOLLOWING STANDARDS LAST EDITION:

(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 ULTIMA EDICIÓN.)

- |             |                                                     |             |                                                                                   |
|-------------|-----------------------------------------------------|-------------|-----------------------------------------------------------------------------------|
| 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. **AG011A08MAA8300000**  
 (Código) **2" Fig. 5275 F UT WCB, API TRIM No.8 8300000**  
 Description **CAST STEEL GLOBE VALVE 150 CLASS**  
 Descripción **(VALVULA GLOBO DE ACERO FUNDIDO CLASE 150)**

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 QUIMICA (%)**

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	CHEMICAL COMPOSITION (%)										TENS KPSI CVN@	YIELD KPSI 1ST	ELG % 2ND	RED % 3RD	BHN AVG
			C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V					
BODY CUERPO	WH31480	ASTM A-216/WCB	0.207	0.910	0.030	0.014	0.403	0.055	0.055	0.018	0.035	0.001	74.24	44.81	29	45	168
BONNET BONETE	WH31481	ASTM A-216/WCB	Normalized to (Normalizado a) 930 °C		Temper to (Temple a) 650 °C		Cooled in air.(Cooled in air. (Enfr)										
			0.194	0.910	0.024	0.008	0.374	0.055	0.052	0.013	0.035	0.001	74.24	44.81	29	45	169
WEDGE DISCO	661-09	ASTM A-276 GR 410	Normalized to (Normalizado a) 930 °C		Temper to (Temple a) 650 °C		Cooled in air.(Cooled in air. (Enfr)										
			0.119	0.497	0.025	0.005	0.509	0.375	12.530	0.030	0.000	0.000	89.40	51.10	22	45	179

PLEASA ANAHUAC Y CIA. S.A. DE C.V.  
 CONTROL DE CALIDAD  
 FECHA 26 Mar 2010  
 ESR  
 FIRMA E. RUIZ

CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD  
 CERTIFIED BY: QUALITY ASSURANCE

**JESSICA GARCIA**