



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

V08G2158
 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 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 EDICION.)

- 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)

TEST TYPE	SHELL (CASCO)	BACK (SEAT)	SIDE (LADO)
PRESSURE TEST (PRUEBAS DE PRESION)	450"	450	315
HYDROSTATIC (PSI) (HIDROSTATICA)			N A
PNEUMATIC (PSI) (NEUMATICA)			80
			N A

CHEMICAL COMPOSITION (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	TENS (KPSI CVN ₅₀)	YIELD (KPSI 1ST)	ELG (%) 2ND	RED (%) 3RD	BHN AVG
BONNET	WHI5008	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	WHI5008	ASTM A-216/WCB	Normalized to (Normalized a) 930 °C															
BONNET	WHI5008	ASTM A-216/WCB	0.186	0.873	0.029	0.022	0.450	0.050	0.040	0.010	0.040	0.001		73.80	47.12	25	45	168
BONNET	WHI5008	ASTM A-216/WCB	Normalized to (Normalized a) 930 °C															
BONNET	WHI5008	ASTM A-216/WCB	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)