



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  
 Teléfono: (52 55) 5899 1700 Fax: (52 55) 5876 0156  
 E-Mail: Info@walworth.com.mx Web: www.walworthvalves.com

(Numero) Number

4198/2012

(Fecha) Date

03/12/2012

## 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 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 AND 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. **BGSB156F08AAB830000C**  
 (Código)

Description **1 1/2" Fig. 5520 SW UT A105N, API TRIM No.8 830000**

Descripción **FORGED STEEL GLOBE VALVE CLASS 800**

(VALVULA GLOBO DE ACERO FORJADO CLASE 800)

VALVE WITH LOW EMISSION CONTROL (50 PPM'S MAX.) (VALVULA SUMINISTRADA CON CONTROL DE BAJAS EMISIONES FUGITIVAS (50 PPM'S MAX.) )

PRESSURE TEST (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK (SEAT)	SIDE (LADO)	
			1	2
HYDROSTATIC (PSI) (HIDROSTATICA)	2975	2175	2175	N A
PNEUMATIC (PSI) (NEUMATICA)			80	N A

Invoice(Factura) A23394 Item(Partida) 5  
 Qty(Cantidad) 50

#### MECHANICAL TEST (PROP. MECANICAS)

#### CHEMICAL COMPOSITION (%)

#### COMPOSICIÓN QUIMICA (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	CHEMICAL COMPOSITION (%)										TENS	YIELD	ELG	RED	BHN
			C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	KPSI CVN@	KPSI 1ST	% 2ND	% 3RD
BODY CUERPO	CAX	ASTM A-105N	0.220	0.720	0.022	0.008	0.270	0.050	0.030	0.030	0.030	0.021	79.32	52.92	35	54	170
BODY CUERPO	CCT	ASTM A-105N	0.190	0.880	0.011	0.010	0.210	0.075	0.065	0.050	0.040	0.028	77.58	61.63	29	46	165
BODY CUERPO	CAH	ASTM A-105N	0.180	0.839	0.012	0.010	0.227	0.090	0.110	0.000	0.110	0.010	71.77	47.85	26	48	170
YOKE YUGO	BCD	ASTM A-105N	0.190	0.800	0.021	0.006	0.220	0.010	0.060	0.070	0.040	0.030	73.23	47.13	32	43	153
YOKE YUGO	CAY	ASTM A-105N	0.200	0.760	0.019	0.005	0.230	0.040	0.080	0.040	0.170	0.030	76.12	53.65	31	74	160
YOKE YUGO	CCQ	ASTM A-105N	0.180	0.800	0.015	0.008	0.210	0.030	0.070	0.080	0.050	0.030	74.68	51.48	31	72	160

FACIO-21 REV "3"

CERTIFICADO POR:  
 ASEGURAMIENTO DE

CERTIFIED BY :  
 QUALITY ASSURANCE

Yolanda Ponciano