



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. 54600

(Numero) Number 2333/2008  
 (Fecha) Date 21/11/2008

## 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 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  
 API 600  
 ANSI B16-11  
 API 602

- PIPELINE VALVES - GATE, PLUG, BALL AND 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. **BGSB206E05AAB830000C**  
 (Codigo) **2" Fig. 5520 S HF A105, API TRIM No. 5 830000C**  
 Description **FORGED STEEL GLOBE VALVE**  
**(VALVULA GLOBO DE ACERO FORJADO)**  
 VALVE WITH LOW EMISSION CONTROL (VALVULA SEMINSTRADA CON CONTROL DE EMISIONES FUGITIVAS A 50 PPM'S MAX.)

<b>PRESSURE TEST</b> (PRUEBAS DE PRESION)	<b>SHELL</b> (GRANNO)	<b>BACK</b> (SENA)	<b>SIDE</b> (LADO)
<b>HYDROSTATIC (PSI)</b> (HIDROSTATICA)	2970	2970	2245
<b>PNEUMATIC (PSI)</b> (NEUMATICA)			80
			N A

Invoice(Factura) 04619P Item(Partida) 1  
 Qty(Cantidad) 27

**MECHANICAL TESTS** (PROP. MECANICAS)

**CHEMICAL COMPOSITION (%)**

**COMPOSICION QUIMICA (%)**

ITEM (PARTIDA)	HEAT No. (COADJA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Ce	TENS KPSI CVN@	YIELD KPSI 1ST	ELG %	RED %	BHN AVG
BODY CUERPO	CAI	ASTM A-105N	0.204	0.728	0.020	0.009	0.223	0.300	0.100	0.000	0.114	0.023		76.12	47.12	30	62	170
BODY CUERPO	CAO	ASTM A-105N	0.198	0.839	0.021	0.010	0.233	0.100	0.100	0.000	0.000	0.010	0.002	81.20	60.17	28	48	170
YOKE YUGO	CAO	ASTM A-105N	0.198	0.839	0.021	0.010	0.233	0.100	0.100	0.000	0.000	0.010	0.002	81.20	60.17	28	48	170
YOKE YUGO	CAP	ASTM A-105N	0.200	0.750	0.020	0.008	0.240	0.000	0.000	0.000	0.000	0.025	0.000	70.22	48.57	28	50	170
YOKE YUGO	CAT	ASTM A-105N	0.200	0.820	0.020	0.009	0.260	0.080	0.100	0.060	0.000	0.020	0.010	74.67	55.10	29	43	165

CERTIFICADO POR:  
 ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:  
 QUALITY ASSURANCE

SANDRA RUIZ