



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

(Numero) Number 0044/2008
 (Fecha) Date 24/01/2008

QUALITY ASSURANCE CERTIFICATE OF COMPLIANCE

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:
 (CERTIFICAMOS QUE EL PRODUCTO LISTADO ABAJO FUE DISEÑADO, FABRICADO Y PROBADO DE ACUERDO CON NUESTRO SISTEMA DE CALIDAD Y CON REQUISITOS ESTABLECIDOS EN UNO O MAS DE LOS SIGUIENTES ESTANDARES.)

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|-------------|-----------------------------------------------------|-------------|-----------------------------------------------------------------------------------|
| API 598 | - VALVE INSPECTION AND TESTING | API 6D | - PIPELINE VALVES - GATE, PLUG, BALL ANF 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. **BCSB056F08AAB**

(Codigo) **1/2" Fig. 950 SW UT A105, API TRIM No.8 830000C**

Description **FORGED STEEL GATE VALVE
 (VALVULA COMPUERTA DE ACERO FORJADO)
 VALVE WITH LOW EMISSION CONTROL
 (VALVULA SUMINISTRADA CON CONTROL DE EMISIONES FUGITIVAS A 50 PPM'S MAX)**

Invoice(Factura) 90540 Item(Partida) 5
 Qty(Cantidad) 200

PRESSURE TEST (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK (SEAT)	SIDE (LADO)
HYDROSTATIC (PSI) (HIDROSTATICA)	2970	2970	N A N A
PNEUMATIC (PSI) (PNEUMATICA)			80 80

CHEMICAL COMPOSITION (%)

ITEM (PARTE)	HEAT No. (CODADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	TENS KPSI CVN@	YIELD KPSI 1ST	ELG % 2ND	RED % 3RD	BHN AVG
BODY CUERPO	CCJ	ASTM A-105N	0.220	0.890	0.020	0.007	0.210	0.100	0.100	0.100				79.02	55.10	32	60	170
BODY CUERPO	CCK	ASTM A-105N	0.230	0.750	0.018	0.009	0.220	0.050	0.080	0.200				78.30	55.82	35	55	170
BODY CUERPO	CCL	ASTM A-105N	0.210	0.780	0.019	0.008	0.270	0.040	0.020	0.030				79.02	55.10	37	54	170
YOKE YUGO	CAV	ASTM A-105N	0.230	0.810	0.018	0.007	0.240	0.050	0.050	0.100			0.010	76.12	50.75	32	54	170
YOKE YUGO	CAX	ASTM A-105N	0.220	0.720	0.022	0.008	0.270	0.050	0.030	0.020				79.31	52.92	35	54	170
YOKE YUGO	CCH	ASTM A-105N	0.230	0.680	0.019	0.007	0.250	0.100	0.100				0.220	78.30	52.20	27	58	170
YOKE YUGO	CCJ	ASTM A-105N	0.220	0.890	0.020	0.007	0.210	0.100	0.100	0.100				79.02	55.10	32	60	170
YOKE YUGO	CCK	ASTM A-105N	0.230	0.750	0.018	0.009	0.220	0.050	0.080	0.200				78.30	55.82	35	55	170
YOKE YUGO	CCL	ASTM A-105N	0.210	0.780	0.019	0.008	0.270	0.040	0.020	0.030				79.02	55.10	37	54	170

MECHANICAL TESTS (PROB. MECANICAS)

FACIO-21 REV "2"

CERTIFICADO POR:
 ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:
 QUALITY ASSURANCE

 Sandra Ruiz