



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 1050/2009
 (Fecha) Date 14/05/2009

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 PROBADO DE ACUERDO CON NUESTRO SISTEMA DE CALIDAD Y CON REQUISITOS ESTABLECIDOS EN UNO O MAS DE LOS SIGUIENTES ESTANDARES ULTIMA EDICIÓN.)

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|-------------|---|-------------|---|
| 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. BCSB056F12AAB790000C
 (Código)
Description 1/2" Fig. 950 SW 3HF A105, API TRIM No.12 790000C
 Descripción FORGED STEEL GATE VALVE
 (VALVULA COMPUERTA DE ACERO FORJADO)

MANUFACTURED TO MEET NACE MR-01-75-2003 REQUIREMENTS AND LOW FUGITIVE EMISSIONS CONTROL
 (VALVULA SERVICIO NACE MR-01-75 *Y CONTROL DE EMISIONES FUGITIVAS 50 PPM'S)

PRESSURE TEST (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK (SEAT)	SIDE (LADO)	
			1	2
HYDROSTATIC (PSI) (HIDROSTATICA)	2970	2970	NA	NA
PNEUMATIC (PSI) (NEUMATICA)			80	80

Invoice(Factura) 13247P Item(Partida) 1
 Qty(Cantidad) 50


MECHANICAL TESTS (PROP. MECANICAS)

CHEMICAL COMPOSITION (%)			COMPOSICIÓN QUIMICA (%)											MECHANICAL TESTS				
ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	TENS KPSI CVN@	YIELD KPSI 1ST	ELG % 2ND	RED % 3RD	BHN AVG
BODY CUERPO	CAX	ASTM A-105N	0.220	0.720	0.022	0.008	0.270	0.050	0.030	0.020	0.050	0.000	0.000	79.31	52.92	35	54	170
BODY CUERPO	CCH	ASTM A-105N	0.230	0.680	0.019	0.007	0.250	0.100	0.100	0.000	0.220	0.000	0.000	78.30	52.20	27	58	170
BODY CUERPO	CCJ	ASTM A-105N	0.220	0.890	0.020	0.007	0.210	0.100	0.100	0.100	0.000	0.000	0.000	79.02	55.10	32	60	170
YOKE YUGO	CAV	ASTM A-105N	0.230	0.810	0.018	0.007	0.240	0.050	0.050	0.100	0.220	0.010	0.000	76.12	50.75	32	54	170

FACIO-21 REV "3"

CERTIFICADO POR:
 ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:
 QUALITY ASSURANCE


 JESSICA GARCIA