WALWORTH
Since 1842

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

(Numero) Number V088B0698
(Fecha) Date 12/11/2009

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.)

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. (Código) **CB0403A1AABTHQZ00B**

Description (Descripción) **4" Fig. 8612 F A105, THQZ00B**

STEEL BALL VALVE 600 PSI
(VALVULA ESFERA DE ACERO 600 PSI)

(VALVULA SERVICIO NACE MR0175/ISO 15156 ED 2003
PRUEBA DE FUEGO API 6FA, API 607

) (PINTURA AMBIENTE MARINO, PRUEBA CON AIRE
INC. C3 DEL APENDICE C DEL API-SPEC-6D
)

PRESSURE TEST (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK (SEAT)	SIDE (LADO) 1	SIDE (LADO) 2
HYDROSTATIC (PSI) (HIDROSTATICA)	2225		1630	1630
PNEUMATIC (PSI) (NEUMATICA)				

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
			CHEMICAL COMPOSITION (%) / COMPOSICIÓN QUIMICA (%)											MECHANICAL TESTS (PROP. MECANICAS)				
BALL BOLA	S3543	ASTM A-105N	0.210	0.720	0.022	0.021	0.250	0.082	0.071	0.061	0.063	0.010		76.27	39.58	28	41	165
BODY CUERPO	8T138	ASTM A-105N	0.200	0.710	0.022	0.021	0.310	0.080	0.070	0.050	0.040	0.001		73.81	40.75	34	44	160
END1 EXTREMO1	8T138	ASTM A-105N	0.200	0.710	0.022	0.021	0.310	0.080	0.070	0.050	0.040	0.001		73.81	40.75	34	44	160
END2 EXTREMO2	8T138	ASTM A-105N	0.200	0.710	0.022	0.021	0.310	0.080	0.070	0.050	0.040	0.001		73.81	40.75	34	44	160

FAC10-21 REV "3"

CERTIFICADO POR:
ASEGURAMIENTO DE CALIDAD

CERTIFIED BY :
QUALITY ASSURANCE

JESSICA GARCIA