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 **V088B0162**
(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 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. (Código) **CB0401A1AABTHQZ00B**
Description Descripción **4" Fig. 8112 F A105, THQZ00B**
STEEL BALL VALVE 150 PSI
(VALVULA ESFERA DE ACERO 150 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)	430		315	315
PNEUMATIC (PSI) (NEUMATICA)			80	80

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	CHEMICAL COMPOSITION (%) / COMPOSICIÓN QUIMICA (%) C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	MECHANICAL TESTS (PROP. MECANICAS) TENS KPSI CVN@	YIELD KPSI 1ST	ELG % 2ND	RED % 3RD	BHN AVG
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