



WALWORTH®
Since 1842

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 **V08C15821**
(Fecha) Date **05/05/2008**

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 PRUBADO DE ACUERDO 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

- PIPELINE VALVES - GATE, PLUG, BALL ANF 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. AC011A12MAA
2" Fig. 5202 F 3HF WCB, API TRIM No.12 8300000
CAST STEEL GATE VALVE
(VALVULA COMPUERTA DE ACERO FUNDIDO)

VALVE WITH LOW EMISSION CONTROL (VALVULA SUMINISTRADA CON CONTROL DE EMISIONES FUGITIVAS A 50 PPM'S MAX)

PRESSURE TEST (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK (SEAT)	SIDE (LADO)
HYDROSTATIC (PSI) (HIDROSTATICA)	450	450	N A
PNEUMATIC (PSI) (NEUMATICA)			80
			2

MECHANICAL TESTS (PROP. MECANICAS)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	CHEMICAL COMPOSITION (%)										MECHANICAL TESTS (PROP. MECANICAS)							
			C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	TENS	YIELD	ELG	RED	BHN		
BONNET BONETE	WH10413	ASTM A-216/WCB	0.196	0.986	0.027	0.015	0.490	0.012	0.039	0.007	0.020	0.007	0.007	0.007	0.007	74.82	46.69	29	44	163
BODY CUERPO	WH18525	ASTM A-216/WCB	0.190	0.873	0.027	0.022	0.420	0.018	0.034	0.033	0.005	0.001	0.001	0.001	87.00	51.77	32	39	155	
WEDGE DISCO	WH12666	ASTM A-216/WCB	0.194	0.934	0.030	0.011	0.487	0.041	0.029	0.026	0.027	0.010	0.010	0.010	74.53	47.56	25	50	153	

COMPOSICIÓN QUIMICA (%)													MECHANICAL TESTS (PROP. MECANICAS)		
TENS	YIELD	ELG	RED	BHN											
KPSI	KPSI	%	%												
CVN(Ig)	1ST	2ND	3RD	AVG											
74.82	46.69	29	44	163											
87.00	51.77	32	39	155											
74.53	47.56	25	50	153											

Sandra Ruiz

CERTIFICADO POR:
ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:
QUALITY ASSURANCE