



WALWORTH
Since 1842

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

(Numero) Number
(Fecha) Date

V07C37944
10/12/2007

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

- 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 ANF 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. **AC011A08MAB**

(Codigo) **2" Fig. 5202 F UT WCB, API TRIM No.8 830000K**

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

PRESSURE TEST (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK (SEAT)	SIDE (LADO)	
			1	2
HYDROSTATIC (PSI) (HIDROSTATICA)	450	450	N A	N A
PNEUMATIC (PSI) (NEUMATICA)			80	80

MECHANICAL TESTS (PROB. MECANICAS)

CHEMICAL COMPOSITION (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	COMPOSICIÓN QUÍMICA (%)											TENS					YIELD					ELG					RED					BHN				
C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	KPSI CVM/6	KPSI 1ST	% 2ND	% 3RD	AVG	KPSI CVM/6	KPSI 1ST	% 2ND	% 3RD	AVG	KPSI CVM/6	KPSI 1ST	% 2ND	% 3RD	AVG	KPSI CVM/6	KPSI 1ST	% 2ND	% 3RD	AVG								
BONNET	WH25079	ASTM A-216/WCB	0.195	0.852	0.028	0.017	0.481	0.020	0.030	0.005	0.018	0.002	77.29	47.85	31	46	152	77.29	47.85	31	46	152	77.29	47.85	31	46	152	77.29	47.85	31	46	152						
BONNET	WH25079	ASTM A-216/WCB	Normalized to (Normalized a) 930 °C											Cooled in air: (Cooled in air: (Enfr)					Cooled in air: (Cooled in air: (Enfr)					Cooled in air: (Cooled in air: (Enfr)					Cooled in air: (Cooled in air: (Enfr)									
BODY	WH22473	ASTM A-216/WCB	0.194	0.996	0.018	0.006	0.540	0.028	0.028	0.039	0.028	0.004	76.71	42.63	24	45	164	76.71	42.63	24	45	164	76.71	42.63	24	45	164	76.71	42.63	24	45	164						
CUERPO	WH22473	ASTM A-216/WCB	Normalized to (Normalized a) 930 °C											Cooled in air: (Cooled in air: (Enfr)					Cooled in air: (Cooled in air: (Enfr)					Cooled in air: (Cooled in air: (Enfr)					Cooled in air: (Cooled in air: (Enfr)									
WEDGE	D4802	ASTM A-217/CA15	0.100	0.770	0.032	0.016	0.880	0.068	12.380	0.025	0.028	0.001	99.33	71.78	26	45	274	99.33	71.78	26	45	274	99.33	71.78	26	45	274	99.33	71.78	26	45	274						
DISCO	D4802	ASTM A-217/CA15	Normalized a (Normalized to) 970 °C											Enfriado en aire: (Enfriado en aire: (C)					Enfriado en aire: (Enfriado en aire: (C)					Enfriado en aire: (Enfriado en aire: (C)					Enfriado en aire: (Enfriado en aire: (C)									

CERTIFICADO POR: ASSEGURAMIENTO DE CALIDAD
CERTIFIED BY: QUALITY ASSURANCE
Sandra Ruiz