



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

V07C38028
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 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)	
			1	2
HYDROSTATIC (PSI) (HIDROSTATICA)	450	450	N A	N A
PNEUMATIC (PSI) (NEUMATICA)			80	80

MECHANICAL TESTS (PROP. MECANICAS)

CHEMICAL COMPOSITION (%)	COMPOSICIÓN QUIMICA (%)					TENS	YIELD	ELG	RED	BHN						
	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	KPSI CVM@	KPSI 1ST	% 2ND	% 3RD	AVG

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W					
BONNET	WH22037	ASTM A-216/WCB	0.205	0.927	0.022	0.013	0.449	0.021	0.046	0.041	0.029	0.004	0.004	73.37	42.20	28	52	155
BONNET	WH22037	ASTM A-216/WCB	Normalized to (Normalizado a) 930 °C															
BONNET	WH22037	ASTM A-216/WCB	Temper to (Temple a) 650 °C															
BODY	WH22415	ASTM A-216/WCB	0.194	0.973	0.028	0.008	0.450	0.005	0.040	0.041	0.040	0.004	0.004	75.26	42.92	28	49	164
BODY	WH22415	ASTM A-216/WCB	Normalized to (Normalizado a) 920 °C															
BODY	WH22415	ASTM A-216/WCB	Temper to (Temple a) 650 °C															
WEDGE	D4838	ASTM A-217/CA15	0.090	0.820	0.032	0.016	0.920	0.630	12.330	0.015	0.043	0.002		100.34	69.46	24	48	274
WEDGE	D4838	ASTM A-217/CA15	Normalized to (Normalizado to) 970 °C															
WEDGE	D4838	ASTM A-217/CA15	Temple a (Temple to) 630 °C															
DISCO			Enfriado en aire. (Enfriado en aire. (C))															

FACIO-21 REV "2"

CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD

CERTIFIED BY: QUALITY ASSURANCE

Sandra Ruiz