



WALWORTH
Since 1842

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

(Numero) Number
(Fecha) Date

V07C33459
14/11/2007

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. **AC021A08MAA**

Description **2 1/2" Fig. 5202 F UT WCB, API TRIM No.8 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)

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

MECHANICAL TESTS (PROF. 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 (CVN#)	KPSI (1ST)	% (2ND)	% (3RD)	AVG
BONNET	WH14454	ASTM A-216/WCB	0.219	0.933	0.025	0.019	0.438	0.048	0.024	0.020	0.034	0.012		77.43	42.92	26	52	164
BONNET BONETE			Normalized to (Normalizado a) 930 °C															
BODY	WH13819	ASTM A-216/WCB	0.214	0.973	0.027	0.029	0.403	0.030	0.030	0.030	0.020	0.001		75.25	47.27	24	49	165
BODY CUERPO			Normalized to (Normalizado a) 920 °C															
WEDGE	1A955	ASTM A-216/WCB	0.227	0.793	0.016	0.013	0.600	0.064	0.080	0.001	0.158	0.005		79.53	40.98	32	41	152
DISCO			Normalized to (Normalizado a) 950 °C															
			Temper to (Temple a) 650 °C															

FACIO-21 REV "2"

CERTIFICADO POR:
ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:
QUALITY ASSURANCE

Sandra Ruiz