



**WALWORTH**  
Since 1842

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

(Numero) Number  
(Fecha) Date

V07R6150  
28/09/2007

## 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.** AR041A08MAA  
(Codigo)  
**Description** 4" Fig. 5341 F UT WCB, API TRIM No.8 8300000  
Description CAST STEEL SWING CHECK VALVE  
(VALVULA RETENCION TIPO COLUMPIO DE ACERO FUNDIDO)  
VALVE WITH LOW EMISSION CONTROL  
(VALVULA SUMINISTRADA CON CONTROL DE EMISIONES FUGITIVAS A 50 PPM'S MAX)

<b>PRESSURE TEST</b> (PRUEBAS DE PRESION)	<b>SHELL</b> (CASCO)	450	<b>BACK</b> (SEAT)	N A	<b>SIDE</b> (LADO)	315	N A
	<b>HYDROSTATIC (PSI)</b> (HIDROSTATICA)						
<b>PNEUMATIC (PSI)</b> (NEUMATICA)							

### CHEMICAL COMPOSITION (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	COMPOSICION QUIMICA (%)															
			C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	TENS	YIELD	ELG	RED	BHN
BODY	XSI28	ASTM A-216/WCB	0.190	0.840	0.028	0.021	0.440	0.061	0.080	0.011				73.80	48.43	25	42	158
CUERPO			Normalized to (Normalizado a) 920 °C															
WEDGE DISCO	HD2460	ASTM A-217/CA15	0.130	0.710	0.022	0.018	0.770	0.590	13.170	0.015	0.030	0.005	0.000	100.34	69.74	25	44	270
			Enfriado en aire (Enfriado en aire: (C)															
COVER TAPA	XSI30	ASTM A-216/WCB	0.180	0.970	0.026	0.020	0.380	0.050	0.110	0.010				74.09	44.80	25	42	160
			Normalized to (Normalizado a) 920 °C															
			Temper to (Temple a) 650 °C															
			Cooled in air (Cooled in air: (Enfr)															

FACIO-21 REV "2"

CERTIFICADO POR:  
ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:  
QUALITY ASSURANCE

*Sandra Ruiz*