



**WALWORTH**  
Since 1842

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

(Numero) Number V07R6019  
(Fecha) Date 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)

- VALVE INSPECTION AND TESTING
- METAL PLUG VALVES - FLANGED, THREADED AND WELDING
- FACE TO FACE AND END TO END DIMENSIONS OF VALVES
- VALVES - FLANGED, THREADED AND WELDING ENDS
- 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

API 598  
API 599  
ANSI B16-10  
ANSI B16-34  
MSS-SP61

API 6D  
API 600  
ANSI B16-11  
API 602

**Part No. AR041A08MAA**  
(Codigo)  
**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)

PRESSURE TEST (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK (SEAT)	SIDE (LADO)	
			1	2
HYDROSTATIC (PSI) (HIDROSTATICA)	450	N A	315	N A
PNEUMATIC (PSI) (NEUMATICA)			N A	N A

### CHEMICAL COMPOSITION (%)

ITEM (PARTES)	HEAT No. (CODADO)	MATERIAL (ASTM)	COMPOSICION QUIMICA (%)															
			C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	TENS KPSI CNSI@	YIELD KPSI IST	ELG %	RED %	BHN AVG
BODY CUERPO	WH15720	ASTM A-216/WCB	0.186	0.934	0.025	0.027	0.413	0.040	0.051	0.016	0.005	0.001		78.59	42.48	34	53	154
WEDGE DISCO	WH81310	ASTM A-217/CA15	0.135	0.649	0.026	0.009	0.760	0.107	12.800	0.081	0.021	0.026		102.80	71.19	24	42	292
COVER TAPA	WH12855	ASTM A-216/WCB	0.200	0.950	0.037	0.028	0.505	0.045	0.065	0.020	0.045	0.005	0.000	75.69	44.80	31	51	167

### MECHANICAL TESTS (PROP. MECANICAS)

FACIO-21 REV "2"

CERTIFICADO POR:  
ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:  
QUALITY ASSURANCE

Sandra Ruiz