

**WALWORTH**

Since 1842

Industrial de Valvulas, S.A. de C.V.

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(Numero) Number

V12EC9846

(Fecha) Date

10/06/2015

**QUALITY ASSURANCE CERTIFICATE OF COMPLIANCE**

(ACCORDING TO EN10204 TYPE 3.1)

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 LAST EDITION:

(CERTIFICAMOS QUE EL PRODUCTO LISTADO ABAJO FUE DISEÑADO, FABRICADO Y PROBADO DE ACUERDO CON NUESTRO SISTEMA DE CALIDAD Y CON REQUISITOS ESTABLECIDOS EN UNO O MAS DE LOS SIGUIENTES ESTANDARES ULTIMA EDICIÓN.)

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 594 - CHECK VALVES FLANGED, LUG, WAFER AND BUTT WELDING

API 6D - PIPELINE VALVES - GATE, PLUG, BALL AND 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.** AC041A08MAB830000+  
 (Código)  
**Description** 4" Fig. 5202 F UT WCB, API TRIM No.8 830000  
 Descripción CAST STEEL GATE VALVE 150 CLASS  
 (VALVULA COMPUERTA DE ACERO FUNDIDO CLASE 150)

VALVE WITH LOW EMISSION CONTROL (50 PPM'S MAX.) (VALVULA SUMINISTRADA CON CONTROL DE BAJAS EMISIONES FUGITIVAS (50 PPM'S MAX.))

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

**MECHANICAL TEST (PROP. MECANICAS)****CHEMICAL COMPOSITION (%)**

## COMPOSICIÓN QUIMICA (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	CHEMICAL COMPOSITION (%)											TENS	YIELD	ELG	RED	BHN
			C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	KPSI CVN@	KPSI 1ST	% 2ND	% 3RD	AVG
BODY CUERPO	WH41105	ASTMA-216 GR WCB Normalized (Normalizado a) 930 °C	0.200	0.900	0.021	0.017	0.463	0.046	0.040	0.003	0.037	0.007	80.77	46.84	33	56	167	
BONNET BONETE	WH41078	ASTMA-216 GR WCB Normalized (Normalizado a) 930 °C	0.199	0.900	0.021	0.018	0.500	0.047	0.031	0.005	0.031	0.002	79.90	45.24	31	55	162	
WEDGE DISCO	WH39398	ASTMA-216 GR WCB Normalized (Normalizado a) 930 °C	0.191	0.972	0.022	0.008	0.417	0.029	0.036	0.003	0.031	0.006	78.59	49.01	29	55	162	

FAC10-21 REV "3"

CERTIFICADO POR:  
ASEGURAMIENTO DECERTIFIED BY :  
QUALITY ASSURANCE
  
 Yolanda Ponciano