



**INDUSTRIAL VALVORTH**  
 S.A. DE C.V.  
 C.P. 54600

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

(Numero) Number  
 (Fecha) Date

V075C2129  
 18/11/2009

## 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 PRABADO 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 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. **AC041A08MAB830000C**  
 (Código)  
 Description **4" Fig. 5202 F UT WCB, API TRIM No.8 830000C**  
 Descripción **CAST STEEL GATE VALVE 150 PSI**  
**(VALVULA COMPUERTA DE ACERO FUNDIDO 150 PSI)**

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 (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	CHEMICAL COMPOSITION (%)										TENS KPSI CVN@	YIELD KPSI 1ST	ELG % 2ND	RED % 3RD	BHN AVG
			C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V					
BODY CUERPO	WH22380	ASTM A-216/WCB	0.188	0.867	0.024	0.019	0.477	0.028	0.047	0.039	0.025	0.003	73.66	44.08	25	44	155
BONNET BONETE	WH26522	ASTM A-216/WCB	Normalized to (Normalizado a) 930 °C			Temper to (Temple a) 650 °C			Cooled in air.(Cooled in air. (Enfr)			78.01	46.69	28	45	158	
WEDGE DISCO	D9669	ASTM A-217/CA15	Normalized to (Normalizado a) 920 °C			Temper to (Temple a) 650 °C			Cooled in air.(Cooled in air. (Enfr)			98.60	70.33	24	45	270	
			Normalized a (Normalizado to) 970 °C			Temple a (Temper to) 630 °C			Enfriado en aire.(Enfriado en aire. (C)								

FAC10-21 REV "3"

CERTIFICADO POR:  
 ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:  
 QUALITY ASSURANCE

  
**JESSICA GARCIA**