

# 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 6D	- PIPELINE VALVES - GATE, PLUG, BALL AND CHECK
API 599	- METAL PLUG VALVES - FLANGED, THREADED AND WELDING	API 600	- STEEL GATE VALVES, FLANGED AND WELDING ENDS
ANSI B16-10	- FACE TO FACE AND END TO END DIMENSIONS OF VALVES	ANSI B16-11	- FORGED FITTINGS, SOCKET - WELDING AND THREADED
ANSI B16-34	- VALVES - FLANGED, THREADED AND WELDING ENDS	API 602	- COMPACT STEEL GATE VALVES - FLANGED, THREADED, WELDING AND EXTENDED - BODY ENDS
MSS-SP61	- PRESSURE TESTING OF STEEL VALVES		

**Part No. AC041A08MAA8300000**

(Código)

**Description**
**4" Fig. 5202 F UT WCB, API TRIM No.8 8300000**

Descripción

**CAST STEEL GATE VALVE 150 CLASS  
 (VALVULA COMPUERTA DE ACERO FUNDIDO CLASE 150)**

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 (%)**
**TENS YIELD ELG RED BHN**

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	KPSI CVN@	KPSI 1ST	% 2ND	% 3RD	AVG
<b>BODY</b> CUERPO	WH23656	ASTM A-216/WCB	0.217	0.883	0.027	0.017	0.454	0.007	0.016	0.021	0.029	0.004		84.25	43.94	33	59	151
<b>BONNET</b> BONETE	WH16463	ASTM A-216/WCB	0.215	0.960	0.027	0.019	0.440	0.050	0.054	0.019	0.033	0.006		76.41	44.95	34	54	157
<b>WEDGE</b> DISCO	WH81651	ASTM A-217/CA15	0.128	0.735	0.022	0.012	0.385	0.063	13.010	0.020	0.010	0.021		100.34	70.03	22	41	298
			Normalized to (Normalizado a) 930 °C			Temper to (Temple a) 650 °C			Cooled in air.(Cooled in air. (Enfr)									
			Normalized to (Normalizado a) 930 °C			Temple a (Temple to) 630 °C			Enfriado en aire.(Enfriado en aire. (C)									

LLASA ANAHUAC Y CIAS. S.A. DE C.V.  
 CONTROL DE CALIDAD  
 FECHA 29 Ene 2010  
 C246  
 FIRMA Enrique Ruiz