



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 V07C27645
 (Fecha) Date 29/01/2008

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
- API 598
 - API 599
 - ANSI B16-10
 - ANSI B16-34
 - MSS-SP61
- API 6D
 - API 600
 - ANSI B16-11
 - API 602
- 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

Part No. AC041A08MAB
 (Codigo)
4" Fig. 5202 F UT WCB, API TRIM No.8 830000K
Description CAST STEEL GATE VALVE
 (VALVULA COMPUERTA DE ACERO FUNDIDO)
 VALVE WITH LOW EMISSION CONTROL
 (VALVULA SIMINISTRADA 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. (CODADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	KPSI CVN@	KPSI 1ST	% 2ND	% 3RD	AVG
BONNET BONETE	WH20119	ASTM A-216/WCB	0.189	0.909	0.028	0.014	0.475	0.022	0.044	0.037	0.017	0.003		71.20	46.98	33	54	156
BODY CUERPO	WH19549	ASTM A-216/WCB	0.217	0.943	0.023	0.018	0.507	0.045	0.061	0.018	0.019	0.002		78.16	47.13	37	42	152
WEDGE DISCO	D4804	ASTM A-217/CA15	0.090	0.860	0.032	0.016	0.820	0.940	12.200	0.022	0.029	0.003		97.73	71.78	27	45	273

FACI0-21 REV 2*

CERTIFICADO POR:
 ASSEGURAMIENTO DE CALIDAD

CERTIFIED BY:
 QUALITY ASSURANCE

 Sandra Ruiz