



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 V08C11537
 (Fecha) Date 11/02/2008

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 PROBADO 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

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 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

CHEMICAL COMPOSITION (%) / COMPOSICION QUIMICA (%)

ITEM (PARTES)	HEAT No. (COLOADA)	MATERIAL (ASTM)	C	Min	P	S	SI	NI	Cr	Mo	Cu	V	Cb	TENS (KPSI CVM@)	YIELD (KPSI 1ST)	ELG (% 2ND)	RED (% 3RD)	BHN (AVG)
BONNET	WH26102	ASTM A-216/WCB	0.199	0.867	0.033	0.015	0.451	0.005	0.022	0.014	0.029	0.014		74.53	47.70	26	47	160
BONNET BONNETE			Normalized to (Normalizado a) 920 °C															
BODY	WH24902	ASTM A-216/WCB	0.200	0.946	0.033	0.012	0.410	0.015	0.027	0.010	0.027	0.006		73.80	40.89	26	58	156
BODY CUERPO			Normalized to (Normalizado a) 920 °C															
WEDGE	D2954	ASTM A-217/CA15	0.110	0.750	0.018	0.017	0.870	0.390	12.350	0.021	0.040	0.001		100.05	69.31	27	47	276
WEDGE DISCO			Normalized a (Normalizado to) 970 °C															

MECHANICAL TESTS (PROP. MECANICAS)

CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD
 CERTIFIED BY: QUALITY ASSURANCE

Sandra Ruiz