



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

(Numero) Number V07C27646
 (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 PRUBADO 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 AND 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)

TEST	SHELL (CASCO)	BACK (SEAT)	SIDE (LADO)
PRESSURE TEST (PRUEBAS DE PRESION)			
HYDROSTATIC (PSI) (HIDROSTATICA)	450	450	N A N A
PNEUMATIC (PSI) (PNEUMATICA)			80 80

MECHANICAL TESTS (PROP. MECANICAS)

CHEMICAL COMPOSITION (%)

COMPOSICIÓN QUÍMICA (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	SI	NI	Cr	Mo	Cu	V	Cb	TENS (KSI) (CVN@)	YIELD (KSI) (IST)	ELG (%) (2ND)	RED (%) (3RD)	BHN (AVG)	
BONNET	WH19851	ASTM A-216/WCB	0.197	0.963	0.026	0.017	0.434	0.036	0.052	0.017	0.007	0.004		74.82	49.88	32	54	157	
BONNET	WH19851	ASTM A-216/WCB	Normalized to (Normalized a) 930 °C																
BODY	WH19627	ASTM A-216/WCB	0.202	0.968	0.025	0.015	0.456	0.046	0.062	0.020	0.017	0.005		72.79	47.13	33	61	152	
BODY	WH19627	ASTM A-216/WCB	Normalized to (Normalized a) 930 °C																
WEDGE	D4844	ASTM A-217/CA15	0.100	0.840	0.032	0.016	1.000	0.560	12.420	0.038	0.040	0.002		99.33	69.60	26	46	276	
WEDGE	D4844	ASTM A-217/CA15	Normalized a (Normalized to) 970 °C																
DISCO			Temple a (Temper to) 630 °C																
DISCO			Enfriado a (Enfriado en aire) (C)																

CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD

CERTIFIED BY: QUALITY ASSURANCE

Sandra Ruiz