



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 **V07C27861**
 (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.)

- 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 ANF 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. **AC041A08MAB**
 (Codigo)
 Description **4" Fig. 5202 F UT WCB, API TRIM No.8 830000K**
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

CHEMICAL COMPOSITION (%)

COMPOSICIÓN QUIMICA (%)

ITEM (PARTE)	HEAT No. (CONADAN)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	TENS KPSI CMM@	YIELD KPSI 1ST	ELG %	RED %	BHN AVG
BONNET	WH18736	ASTM A-216/WCB	0.215	0.900	0.023	0.015	0.521	0.047	0.036	0.017	0.041	0.003		77.43	47.85	34	57	161
BONNET	WH18736	ASTM A-216/WCB	Normalized to (Normalized a) 930 °C															
BONNET	WH18736	ASTM A-216/WCB	0.191	0.980	0.021	0.006	0.468	0.042	0.068	0.007	0.013	0.001		78.59	47.85	30	50	152
BONNET	WH18736	ASTM A-216/WCB	Normalized to (Normalized a) 930 °C															
BONNET	WH18736	ASTM A-216/WCB	0.100	0.890	0.032	0.016	0.870	0.830	12.470	0.022	0.036	0.001		97.88	70.76	26	45	275
BONNET	WH18736	ASTM A-216/WCB	Normalized a (Normalized to) 970 °C															
BONNET	WH18736	ASTM A-216/WCB	Temple a (Temper to) 630 °C															
BONNET	WH18736	ASTM A-216/WCB	Enfriado en aire (Enfriado en aire. (C)															

MECHANICAL TESTS (PROP. MECANICAS)

CERTIFICADO POR:
 ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:
 QUALITY ASSURANCE

Sandra Ruiz