



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 V08C11401
 (Fecha) Date 06/02/2008

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 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)
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) (PNEUMATICA)			80	80

CHEMICAL COMPOSITION (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	COMPOSICIÓN QUÍMICA (%)															
			C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	TENS	YIELD	ELG	RED	BHN
BONNET BONETE	WH26024	ASTM A-216/WCB	0.209	0.898	0.026	0.013	0.400	0.005	0.024	0.015	0.032	0.014		73.51	44.80	28	50	166
BODY CUERPO	WH24797	ASTM A-216/WCB	Normalized to (Normalized a) 920 °C 0.195	0.986	0.031	0.021	Temper to (Temple a) 650 °C 0.425	0.020	0.066	0.010	0.030	0.005		76.12	48.72	34	59	155
WEDGE DISCO	D5471	ASTM A-217/CA15	Normalized to (Normalized a) 920 °C 0.110	0.850	0.017	0.014	Temper to (Temple a) 650 °C 0.970	0.380	12.920	0.039	0.028	0.002		98.31	70.91	26	47	277
			Normalized a (Normalized to) 970 °C				Temple a (Temple to) 630 °C											

MECHANICAL TESTS (PROP. MECANICAS)