



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
 (Fecha) Date

V07C38057
 10/12/2007

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. AC011A08MAB
 (Codigo)
2" 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)
HYDROSTATIC (PSI) (HIDROSTATICA)	450	450	N/A
PNEUMATIC (PSI) (NEUMATICA)			80

CHEMICAL COMPOSITION (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	TENS (KPSI CVM@)	YIELD (KPSI IST)	ELG (%) 2ND	RED (%) 3RD	BHN AVG	
BONNET BONETE	WH24347	ASTM A-216/WCB	0.208	0.915	0.029	0.023	0.437	0.030	0.014	0.037	0.036	0.003		88.01	43.35	29	42	154	
BODY CUERPO	XS397	ASTM A-216/WCB	Normalized to (Normalizado a) 930 °C 0.230	0.870	0.020	0.023	Temper to (Temple a) 650 °C 0.380	0.060	0.110	0.018	Cooled in air (Cooled in air - (Enfr) 0.018			74.09	45.67	25	42	163	
WEDGE DISCO	WH81063	ASTM A-217/CA15	Normalized to (Normalizado a) 920 °C 0.125	0.579	0.021	0.018	Temper to (Temple a) 650 °C 0.699	0.084	13.390	0.030	0.084	0.001	0.000	100.20	70.04	24	45	289	
			Normalized a (Normalizado to) 970 °C				Temple a (Temple to) 630 °C				Enfriado en aire (Enfriado en aire - (C)								

MECHANICAL TESTS (PROP. MECANICAS)

FACIO-21 REV "2"

CERTIFICADO POR:
 ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:
 QUALITY ASSURANCE

 Sandra Rdiz