



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

V07C10040
 30/01/2008

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 6D | - PIPELINE VALVES - GATE, PLUG, BALL ANF CHECK |
| API 599 | - METAL PLUG VALVES - FLANGED, THREADED AND WELDING | API 600 | - STEEL GATE VALVES, FLANGED AND WELDING ENDS |
| ANSI B16-10 | - FACE TO FACE AND END TO END DIMENSIONS OF VALVES | ANSI B16-11 | - FORGED FITTINGS, SOCKET - WELDING AND THREADED |
| ANSI B16-34 | - VALVES - FLANGED, THREADED AND WELDING ENDS | API 602 | - COMPACT STEEL GATE VALVES - FLANGED, THREADED, WELDING AND EXTENDED - BODY ENDS |
| MSS-SP61 | - PRESSURE TESTING OF STEEL VALVES | | |

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 (SEAL)	SIDE (LADO)	
	450	450	1	2
HYDROSTATIC (PSI) (HIDROSTATICA)	N/A N/A			
PNEUMATIC (PSI) (NEUMATICA)	80 80			

MECHANICAL TESTS (PROP. MECANICAS)

CHEMICAL COMPOSITION (%)

COMPOSICION QUIMICA (%)

ITEM (PARTES)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	TENS KPSI CVN@	YIELD KPSI 1ST	ELG %	RED %	BHN AVG
BONNET BONETE	WH16827	ASTM A-216/WCB	0.180	0.879	0.024	0.012	0.491	0.058	0.027	0.024	0.007	0.003		84.39	48.72	36	48	162
BODY CUERPO	WH17129	ASTM A-216/WCB	Normalized to (Normalizado a) 920 °C 0.210	0.900	0.023	0.011	0.476	0.044	0.046	0.020	0.008	0.001	Cooled in air (Cooled in air (Enfri) 0.090	79.61	40.46	31	40	156
WEDGE DISCO	D8020	ASTM A-217/CA15	Normalized to (Normalizado a) 930 °C 0.090	0.730	0.030	0.016	0.850	0.370	12.010	0.027	0.058	0.004	Cooled in air (Cooled in air (Enfri) Enfriado en aire (Enfriado en aire: (C)	98.31	71.63	28	44	270

Sandra Ruiz