



Industrial de Válvulas, S.A. de C.V.
 Av. de la Industria Lote 16 Fracc. Industrial el Trébol
 Tepotzotlan, Estado de México C.P. 54600

(Numero) Number V07C13222
 (Fecha) Date 28/02/2007

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 6D | - PIPELINE VALVES - GATE, PLUG, BALL AND 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. **AC021A08MAB**
 (Codigo)

Description **2 1/2" Fig. 5202 F UT WCB, API TRIM No.8 830000**
 (Descripción) VALVULA COMPUERTA DE ACERO FUNDIDO
 (CAST STEEL GATE VALVE)

VALVE WITH LOW EMISSION CONTROL
 (VALVULA SUMINISTRADA CON CONTROL DE EMISIONES FUGITIVAS A 50 PPM'S MAX)

PRESSURE TESTS (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK SEAT	SIDE 1 2	(LADO)
HYDROSTATIC (PSI) (HIDROSTATICA)	450	450	N A	N A
PNEUMATIC (PSI) (NEUMATICA)			80	80

CHEMICAL COMPOSITION (%)

COMPOSICIÓN QUIMICA (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	MECHANICAL TESTS (PROP. MECANICAS)			
														TENS KPSI CVN@	YIELD 1ST	ELG % 2ND	RED % 3RD
WEDGE DISCO	D1289	ASTM A-217/CA15 Normalized a (Normalized to) 970	0.100	0.760	0.025	0.016	0.830	0.880	12.090	0.013	0.025	0.001	97.15	70.76	28	45	269
BONNET BONETE	WH15156	ASTM A-216/WCB Normalized to (Normalized a) 930	0.211	0.915	0.013	0.025	0.498	0.020	0.030	0.020	0.010	0.001	73.66	46.54	29	50	164
BODY CUERPO	WH15244	ASTM A-216/WCB Normalized to (Normalized a) 920	0.218	0.851	0.022	0.010	0.454	0.054	0.043	0.025	0.078	0.001	75.98	42.77	32	49	160

CERTIFICADO POR
 ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:
 QUALITY ASSURANCE

Sandra Ruiz