



Industrial de Valvulas, S.A de C.V.
 Av. de La Industria Lote 16 Fracc. Industrial El Trebol
 Tepozotlan, Estado de Mexico C.P. 54600

(Numero) Number V072C1924
 (Fecha) Date 23/01/2009

QUALITY ASSURANCE CERTIFICATE OF COMPLIANCE

(ACCORDING TO EN10204 TYPE 3.1)
 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
 (CERTIFICAMOS QUE EL PRODUCTO LISTADO ABAJO FUE DISEÑADO, FABRICADO Y PROBADO CON NUESTRO SISTEMA DE CALIDAD Y CON REQUISITOS ESTABLECIDOS EN UNO O MAS DE LOS SIGUIENTES
 ESTANDARES ULTIMA EDICION.)

- 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 AND 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. AC081A08MAC830000M

(Codigo) 8" Fig. 5202 F UT WCB, API TRIM No.8 830000M

Description CAST STEEL GATE VALVE 150 PSI
 (VALVULA COMPUERTA DE ACERO FUNDIDO 150 PSI)

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

PRESSURE TEST (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK (SEAT)	SIDE (LABO)
HYDROSTATIC (PSI) (HIDROSTATICA)	450	450	315
PNEUMATIC (PSI) (NEUMATICA)			80

MECHANICAL TESTS (PROB. MECANICAS)

CHEMICAL COMPOSITION (%)	COMPOSICION QUIMICA (%)				TENS (KPSI CVN#)	YIELD (KPSI 1ST)	ELG (%) 2ND	REID (%) 3RD	BHN (AVG)	
C	Min	P	S	SI	NI	CR	MO	Cu	V	CB

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Min	P	S	SI	NI <th>CR <th>MO <th>Cu <th>V <th>CB <th>TENS (KPSI CVN#)</th> <th>YIELD (KPSI 1ST)</th> <th>ELG (%) 2ND</th> <th>REID (%) 3RD</th> <th>BHN (AVG)</th> </th></th></th></th></th>	CR <th>MO <th>Cu <th>V <th>CB <th>TENS (KPSI CVN#)</th> <th>YIELD (KPSI 1ST)</th> <th>ELG (%) 2ND</th> <th>REID (%) 3RD</th> <th>BHN (AVG)</th> </th></th></th></th>	MO <th>Cu <th>V <th>CB <th>TENS (KPSI CVN#)</th> <th>YIELD (KPSI 1ST)</th> <th>ELG (%) 2ND</th> <th>REID (%) 3RD</th> <th>BHN (AVG)</th> </th></th></th>	Cu <th>V <th>CB <th>TENS (KPSI CVN#)</th> <th>YIELD (KPSI 1ST)</th> <th>ELG (%) 2ND</th> <th>REID (%) 3RD</th> <th>BHN (AVG)</th> </th></th>	V <th>CB <th>TENS (KPSI CVN#)</th> <th>YIELD (KPSI 1ST)</th> <th>ELG (%) 2ND</th> <th>REID (%) 3RD</th> <th>BHN (AVG)</th> </th>	CB <th>TENS (KPSI CVN#)</th> <th>YIELD (KPSI 1ST)</th> <th>ELG (%) 2ND</th> <th>REID (%) 3RD</th> <th>BHN (AVG)</th>	TENS (KPSI CVN#)	YIELD (KPSI 1ST)	ELG (%) 2ND	REID (%) 3RD	BHN (AVG)
BODY CUERPO	WH26178	ASTM A-216/WCB	0.191	0.907	0.028	0.014	0.483	0.005	0.054	0.015	0.036	0.013		73.51	45.38	24	47	165
BONNET BONETE	WH28749	ASTM A-216/WCB	0.230	0.960	0.032	0.021	0.436	0.036	0.029	0.026	0.068	0.001		76.85	48.86	34	41	172
WEDGE DISCO	WH24718	ASTM A-216/WCB	0.207	0.919	0.028	0.021	0.416	0.020	0.021	0.005	0.030	0.003		76.85	47.27	30	48	172

CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD
 CERTIFIED BY: QUALITY ASSURANCE

JESSICA GARCIA