



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

V07C33686
 06/11/2007

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 PRUBADO DE ACUERDO CON NUESTRO SISTEMA DE CALIDAD Y CON REQUISITOS ESTABLECIDOS EN UNO O MAS DE LOS SIGUIENTES ESTANDARES)

- VALVE INSPECTION AND TESTING
- METAL PLUG VALVES - FLANGED, THREADED AND WELDING
- FACE TO FACE AND END TO END DIMENSIONS OF VALVES
- VALVES - FLANGED, THREADED AND WELDING ENDS
- PRESSURE TESTING OF STEEL VALVES
- PIPELINE VALVES - GATE, PLUG, BALL AND CHECK
- STEEL GATE VALVES, FLANGED AND WELDING ENDS
- FORGED FITTINGS, SOCKET - WELDING AND THREADED
- COMPACT STEEL GATE VALVES - FLANGED, THREADED, WELDING AND EXTENDED - BODY ENDS

Part No. AC011A09MAA

(Codigo) 2" Fig. 5202 F A WCB, API TRIM No. 9 8300000

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)

TEST	PSI	PSI	PSI	PSI
PRESSURE TEST (PRUBAS DE PRESION)	450	450	80	80
HYDROSTATIC (PSI) (HIDROSTATICA)				
PNEUMATIC (PSI) (NEUMATICA)				

CHEMICAL COMPOSITION (%)

ITEM (PARTE) (COLADA)	HEAT No. (ASTM)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	TENS (KPSI) (CVN ₆₀)	YIELD (KPSI) (IST)	ELG (%) (2ND)	RED (%) (3RD)	BHN (AVG)
BONNET BONETE	WH15557	ASTM A-216/WCB	0.212	0.911	0.032	0.012	0.469	0.040	0.053	0.022	0.018	0.002		85.55	49.01	32	49	152
BODY CUERPO	X3359	ASTM A-216/WCB	0.220	0.800	0.017	0.015	0.340	0.080	0.130	0.010				75.98	45.09	26	41	166
WEDGE DISCO	WH12676	ASTM A-216/WCB	0.208	0.895	0.026	0.021	0.402	0.043	0.032	0.030	0.029	0.009	0.000	75.26	44.66	26	49	152

MECHANICAL TESTS (PROP. MECANICAS)

ITEM (PARTE) (COLADA)	HEAT No. (ASTM)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	TENS (KPSI) (CVN ₆₀)	YIELD (KPSI) (IST)	ELG (%) (2ND)	RED (%) (3RD)	BHN (AVG)
BONNET BONETE	WH15557	ASTM A-216/WCB	0.212	0.911	0.032	0.012	0.469	0.040	0.053	0.022	0.018	0.002		85.55	49.01	32	49	152
BODY CUERPO	X3359	ASTM A-216/WCB	0.220	0.800	0.017	0.015	0.340	0.080	0.130	0.010				75.98	45.09	26	41	166
WEDGE DISCO	WH12676	ASTM A-216/WCB	0.208	0.895	0.026	0.021	0.402	0.043	0.032	0.030	0.029	0.009	0.000	75.26	44.66	26	49	152

FAC10-21 REV "2"

CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD

CERTIFIED BY: QUALITY ASSURANCE


 Sandra Ruiz