



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

(Numero) Number
 (Fecha) Date

V07C45184
 29/01/2008

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.)

- 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 ANF 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. **AC081A12MAA**

(Codigo) **8" Fig. 5202 F 3HF WCB, API TRIM No.12 7900000**

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

MANUFACTURED TO MEET NACE MR-01-75-2003 REQUIREMEN *TS AND LOW FUGITIVE EMISSIONS CONTROL.
 (VALVULA SERVICIO NACE MR-01-75 *Y CONTROL DE EMISIONES FUGITIVAS 50 PPM'S)

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

MECHANICAL TESTS (PROP. MECANICAS)

CHEMICAL COMPOSITION (%)	COMPOSICIÓN QUÍMICA (%)					TENS	YIELD	ELG	RED	BHN
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ITEM (PARTS)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	KPSI CYN@	KPSI 1ST	% 2ND	% 3RD	AVG
BONNET	WH23488	ASTM A-216/WCB	0.203	0.889	0.031	0.023	0.462	0.010	0.020	0.022	0.064	0.002		79.60	45.82	29	59	160
BONNET			Normalized to (Normalizado a) 930 °C				Temper to (Temple a) 650 °C			Cooled in air:(Cooled in air) (Enfr)				72.21	43.21	26	50	152
BODY	WH23444	ASTM A-216/WCB	0.190	0.855	0.007	0.014	0.511	0.014	0.036	0.005	0.039	0.001		75.25	43.64	24	49	154
CUERPO			Normalized to (Normalizado a) 930 °C				Temper to (Temple a) 650 °C			Cooled in air:(Cooled in air) (Enfr)								
WEDGE	WH09018	ASTM A-216/WCB	0.197	0.965	0.031	0.021	0.496	0.018	0.048	0.007	0.014	0.005						
DISCO			Normalized to (Normalizado a) 930 °C				Temper to (Temple a) 650 °C			Cooled in air:(Cooled in air) (Enfr)								

CERTIFICADO POR: ASSEGURAMIENTO DE CALIDAD

CERTIFIED BY: 
 Sandra Ruiz

QUALITY ASSURANCE