



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 V07C9133
 (Fecha) Date 09/11/2007

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 PROBADO 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. AC101A12MAA

(Codigo) 10" 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	1	2
PNEUMATIC (PSI) (NEUMATICA)			80	80

CHEMICAL COMPOSITION (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	COMPOSICIÓN QUIMICA (%)				
														TENS	YIELD	ELG	RED	BHN
BONNET	WH27374	ASTM A-216/WCB	0.196	0.951	0.029	0.013	0.470	0.009	0.042	0.008	0.009	0.003		81.49	47.12	30	45	161
BONNET	WH23509	ASTM A-216/WCB	0.198	0.929	0.024	0.018	0.439	0.009	0.015	0.025	0.041	0.002		87.14	39.00	36	46	163
CUERPO	27789	ASTM A-216/WCB	0.240	0.790	0.017	0.013	0.540	0.040	0.110	0.002	0.000	0.000		81.32	42.07	28	44	170
DISCO			Normalized to (Normalizado a) 930 °C															
														Temper to (Temple a) 650 °C				
														Cooled in air (Enfri)				
														Cooled in air (Enfri)				
														Cooled in air (Enfri)				
														Cooled in air (Enfri)				

MECHANICAL TESTS (PROP. MECANICAS)

FACI0-21 REV "2"

CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:

QUALITY ASSURANCE