



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 V07C36024
 (Fecha) Date 10/12/2007

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. AC031A08MAA

(Codigo) 3" Fig. 5202 F UT WCB, API TRIM No.8 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)	
	450	450	1	2
HYDROSTATIC (PSD) (HIDROSTATICA)	450	450	N A	N A
PNEUMATIC (PSD) (NEUMATICA)			80	80

CHEMICAL COMPOSITION (%)

ITEM (PARTE) (COLADA)	HEAT No. (ASTM)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	COMPOSICIÓN QUIMICA (%)				
BONNET BONETE	WH17169	ASTM A-216/WCB	0.196	0.960	0.021	0.014	0.434	0.045	0.039	0.019	0.005	0.001		TENS KPSI CVN/6	YIELD KPSI 1ST	ELG %	RED %	BHN AVG
BODY CUERPO	XS409	ASTM A-216/WCB	0.220	0.750	0.025	0.025	0.390	0.067	0.110	0.014				79.17	44.51	33	48	153
WEDGE DISCO	WH81479	ASTM A-217/CA15	0.143	0.621	0.026	0.024	0.614	0.280	12.730	0.081	0.050	0.010		75.54	45.53	25	42	167
			Normalizado a (Normalized to) 920 °C															
			Normalizado a (Normalized to) 970 °C															
			Enfriado en aire; (Enfriado en aire: (C)															
			Enfriado en aire; (Enfriado en aire: (C)															

MECHANICAL TESTS (PROP. MECANICAS)

FAC10-21 REV 2*

CERTIFICADO POR:
 ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:
 QUALITY ASSURANCE

 Sandra Ruiz