



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

(Numero) Number **V09R3272**
 (Fecha) Date **06/07/2009**

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 FOLLOWING STANDARDS LAST EDITION:

(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 ULTIMA EDICIÓN.)

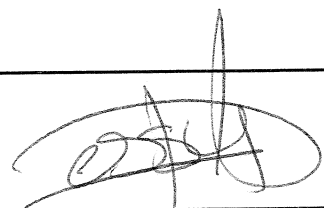
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|-------------|---|-------------|---|
| API 598 | - VALVE INSPECTION AND TESTING | API 6D | - PIPELINE VALVES - GATE, PLUG, BALL AND CHECK |
| API 599 | - METAL PLUG VALVES - FLANGED, THREADED AND WELDING | API 600 | - STEEL GATE VALVES, FLANGED AND WELDING ENDS |
| ANSI B16-10 | - FACE TO FACE AND END TO END DIMENSIONS OF VALVES | ANSI B16-11 | - FORGED FITTINGS, SOCKET - WELDING AND THREADED |
| ANSI B16-34 | - VALVES - FLANGED, THREADED AND WELDING ENDS | API 602 | - COMPACT STEEL GATE VALVES - FLANGED, THREADED, WELDING AND EXTENDED - BODY ENDS |
| MSS-SP61 | - PRESSURE TESTING OF STEEL VALVES | | |

Part No. AR031A22MAB830000U
 (Código)
Description 3" Fig. 5341 F AAA WCB, API TRIM No.6 830000U
 Descripción CAST STEEL SWING CHECK VALVE 150 PSI
 (VALVULA RETENCIÓN TIPO COLUMPIO DE ACERO FUNDIDO 150 PSI)
 VALVE WITH LOW EMISSION CONTROL (VALVULA SUMINISTRADA CON CONTROL DE EMISIONES FUGITIVAS A 50 PPM'S MAX)

PRESSURE TEST (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK (SEAT)	SIDE (LADO)	
			1	2
HYDROSTATIC (PSI) (HIDROSTATICA)	450	N A	315	N A
PNEUMATIC (PSI) (NEUMATICA)			N A	N A

MECHANICAL TESTS (PROP. MECANICAS)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	CHEMICAL COMPOSITION (%)											COMPOSICIÓN QUIMICA (%)				
			C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	TENS	YIELD	ELG	RED	BHN
BODY CUERPO	G8898	ASTM A-216/WCB	0.202	0.994	0.028	0.019	0.411	0.073	0.082	0.025	0.035	0.004	74.67	50.17	30	48	151	
			Normalizated to (Normalizado a) 930 °C											Temper to (Temple a) 650 °C				
WEDGE DISCO	0804104	ASTM A-105N	0.250	0.850	0.024	0.023	0.260	0.180	0.240		0.200		73.95	44.23	39	40	135	
			Normalizated to (Normalizado a) 930 °C											Cooled in air.(Cooled in air. (Enfr)				
COVER TAPA	G3128	ASTM A-216/WCB	0.180	0.830	0.024	0.018	0.420	0.032	0.025	0.011	0.020	0.003	72.65	46.26	32	50	160	
			Normalizated to (Normalizado a) 920 °C											Cooled in air.(Cooled in air. (Enfr)				


JESSICA GARCIA

CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD
 CERTIFIED BY: QUALITY ASSURANCE