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Industrial de Válvulas, S.A. de C.V.
Av. de la Industria Lote 16 Fracc. Industrial el Trébol
Tepotzotlan, Estado de México C.P. 54600

(Numero) Number: V07C4646
(Fecha) Date: 28/02/2007

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.)

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. (Codigo) **AC121A08MAA**

Description (Descripción) **12" Fig. 5202 F UT WCB, API TRIM No.8 830000**
VALVULA COMPUERTA DE ACERO FUNDIDO
(CAST STEEL GATE VALVE)
VALVE WITH LOW EMISSION CONTROL
(VALVULA SUMINISTRADA CON CONTROL DE EMISIONES FUGITIVAS A 50 PPM'S MAX)

PRESSURE TESTS (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK SEAT	SIDE (LADO) 1	SIDE (LADO) 2
HYDROSTATIC (PSI) (HIDROSTATICA)	450	450	315	315
PNEUMATIC (PSI) (NEUMATICA)			80	80

CHEMICAL COMPOSITION (%) — COMPOSICIÓN QUIMICA (%)

MECHANICAL TESTS (PROP. MECANICAS)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	TENS KPSI	YIELD KPSI	ELG %	RED %	BHN
														CVN@	1ST	2ND	3RD	AVG
BONNET BONETE	39864	ASTM A-216/WCB	0.230	0.990	0.020	0.017	0.590	0.060	0.140	0.008				82.02	43.11	28	47	170
	Normalizated to (Normalizado a) 930			Temper to (Temple a) 650				Cooled in air. (Enfriado en aire.)										
BODY CUERPO	WH62635	ASTM A-216/WCB	0.194	0.912	0.032	0.019	0.458	0.030	0.030	0.010	0.030	0.001		74.82	47.56	29	44	168
	Normalizated to (Normalizado a) 930			Temper to (Temple a) 650				Cooled in air. (Enfriado en aire.)										
WEDGE DISCO	WH81162	ASTM A-217/CA15	0.130	0.733	0.032	0.013	0.712	0.084	13.190	0.024	0.010	0.001	0.000	94.25	73.37	26	48	284
	Normalizado a (Normalizated to) 955			Temple a (Temper to) 630				Enfriado en aire. (Cooled in air.)										

CERTIFICADO POR ASEGURAMIENTO DE CALIDAD

CERTIFIED BY: QUALITY ASSURANCE

Sandra Ruiz

FAC10-21 REV "2"