



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

(Numero) Number
 (Fecha) Date

V08C11033
 01/02/2008

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 PROBAO 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 ANF 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. AC022A08MAB
 (Codigo) **2 1/2" Fig. 5206 F UT WCB, API TRIM No.8 830000M**
 Description **CAST STEEL GATE VALVE**
(VALVULA COMPUERTA DE ACERO FUNDIDO)
 VALVE WITH LOW EMISSION CONTROL.
 (VALVULA SUMINISTRADA CON CONTROL DE EMISIONES FUGITIVAS A 50 PPM'S MAX)

TEST	PSI	PSI	PSI	PSI
PRESSURE TEST (PRUEBAS DE PRESION)	1125	1125	N/A	N/A
HYDROSTATIC (PSD) (HIDROSTATICA)				
PNEUMATIC (PSD) (PNEUMATICA)	80			80

CHEMICAL COMPOSITION (%)

ITEM (PARTES)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	SI	Ni	Cr	Mo	Cu	V	Cb
BONNET	WH16799	ASTM A-216/WCB	0.219	0.899	0.029	0.019	0.490	0.028	0.077	0.059	0.041	0.010	
BONNET	WH16799	ASTM A-216/WCB	Normalized to (Normalized a) 930 °C				Temper to (Temple a) 650 °C						
BODY	WH19928	ASTM A-216/WCB	0.196	0.949	0.025	0.016	0.423	0.041	0.097	0.020	0.007	0.003	
BODY	WH19928	ASTM A-216/WCB	Normalized to (Normalized a) 920 °C				Temper to (Temple a) 650 °C						
WEDGE	D3388	ASTM A-217/CA15	0.130	0.790	0.028	0.019	0.970	0.110	12.470	0.012	0.040	0.001	
WEDGE	D3388	ASTM A-217/CA15	Normalized a (Normalized to) 970 °C				Temple a (Temple to) 630 °C						

COMPOSICION QUIMICA (%)

MECHANICAL TESTS (PROP. MECANICAS)

TENS	YIELD	ELG	RED	BHN
KSI	KSI	%	%	AVG
CVN@	1ST	2ND	3RD	
77.43	48.14	30	54	154
78.30	49.30	32	50	154
97.59	72.07	28	49	272


 Sandra Ruiz