



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

V07C23153
 01/11/2007

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 PRABADO 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. **AC081A08MAA**

(Codigo) **8" Fig. 5202 F UT WCB, API TRIM No.8 8300000**

Description **CAST STEEL GATE VALVE
 (VALVULA COMPUERTA DE ACERO FUNDIDO)
 VALVE WITH LOW EMISSION CONTROL
 (VALVULA SUBMINISTRADA CON CONTROL DE EMISIONES FUGITIVAS A 50 PPM'S MAX)**

TEST	SHELL (CASCO)	BACK (SEAT)	SIDE (LADO)	
			1	2
PRESSURE TEST (PRUEBAS DE PRESION)	450	450	315	315
HYDROSTATIC (PSI) (HIDROSTATICA)				
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	MECHANICAL TESTS (PROP. MECANICAS)				
COMPOSICIÓN QUÍMICA (%)														TENS	YIELD	ELG	RED	BHN
														KPSI CVN ₆₀	KPSI 1ST	% 2ND	% 3RD	AVG
BONNET	WH24391	ASTM A-216/WCB	0.216	0.890	0.032	0.022	0.477	0.016	0.014	0.038	0.054	0.004		79.46	47.41	30	52	156
BONNET	WH24391	ASTM A-216/WCB	Normalized to (Normalized a) 930 °C															
BODY	WH24836	ASTM A-216/WCB	0.210	0.956	0.029	0.011	0.479	0.024	0.052	0.045	0.022	0.004		81.35	44.23	29	41	157
BODY	WH24836	ASTM A-216/WCB	Normalized to (Normalized a) 930 °C															
WEDGE	WH81577	ASTM A-217/CA15	0.138	0.687	0.026	0.021	0.726	0.101	13.320	0.052	0.024	0.001		99.90	71.34	25	43	299
WEDGE	WH81577	ASTM A-217/CA15	Normalized to (Normalized to) 970 °C															
DISCO			Enfriado en aire. (Enfriado en aire. (C)															

FACIO-21 REV "2"

CERTIFICADO POR:
 ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:
 QUALITY ASSURANCE

Sandra Ruiz