



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

V07C33544
 14/11/2007

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
 API 599
 ANSI B16-10
 ANSI B16-34
 MSS-SP61

- 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

API 6D
 API 600
 ANSI B16-11
 API 602

- 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. AC021A08MAA
 (Codigo)

Description 2 1/2" Fig. 5202 F UT WCB, API TRIM No.8 8300000
 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 TYPE	TEST VALUE	TEST TYPE	TEST VALUE	TEST TYPE	TEST VALUE
PRESSURE TEST (PRUEBAS DE PRESION)	450	SHELL (CASCO)	450	BACK (SEAT)	N/A
HYDROSTATIC (PSI) (HIDROSTATICA)	450				N/A
PNEUMATIC (PSI) (NEUMATICA)	80				80

CHEMICAL COMPOSITION (%)

ITEM (PARTS)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W
BONNET	WH14454	ASTM A-216/WCB	0.219	0.933	0.025	0.019	0.438	0.048	0.024	0.020	0.034	0.012	
BONNET	WH14454	ASTM A-216/WCB	Normalized to (Normalizado a) 930 °C										
BONNET	WH14114	ASTM A-216/WCB	0.200	0.933	0.029	0.028	0.494	0.050	0.030	0.010	0.040	0.001	
BONNET	WH14114	ASTM A-216/WCB	Normalized to (Normalizado a) 930 °C										
BONNET	WH14114	ASTM A-216/WCB	0.240	0.980	0.030	0.031	0.570	0.031	0.028	0.000	0.000	0.000	
BONNET	WH14114	ASTM A-216/WCB	Normalized to (Normalizado a) 930 °C										
BONNET	WH14114	ASTM A-216/WCB	0.240	0.980	0.030	0.031	0.570	0.031	0.028	0.000	0.000	0.000	
BONNET	WH14114	ASTM A-216/WCB	Cooled in air (Cooled in air) (Enfri)										

TENS	YIELD	ELG	RED	BHN
KPSI	KPSI	%	%	AVG
CVN@	1ST	2ND	3RD	
77.43	42.92	26	52	164
74.96	45.09	29	45	164
79.48	41.20	24	39	160