



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

(Numero) Number
 (Fecha) Date

V088B0047
 12/11/2009

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 PRUBADO DE ACUERDO CON NUESTRO SISTEMA DE CALIDAD Y CON REQUISITOS ESTABLECIDOS EN UNO O MAS DE LOS SIGUIENTES ESTANDARES ULTIMA EDICIÓN.)

API 598 - VALVE INSPECTION AND TESTING
 API 599 - METAL PLUG VALVES - FLANGED, THREADED AND WELDING
 ANSI B16-10 - FACE TO FACE AND END TO END DIMENSIONS OF VALVES
 ANSI B16-34 - VALVES - FLANGED, THREADED AND WELDING ENDS
 MSS-SP61 - PRESSURE TESTING OF STEEL VALVES

API 6D - PIPELINE VALVES - GATE, PLUG, BALL AND CHECK
 API 600 - STEEL GATE VALVES, FLANGED AND WELDING ENDS
 ANSI B16-11 - FORGED FITTINGS, SOCKET - WELDING AND THREADED
 API 602 - COMPACT STEEL GATE VALVES - FLANGED, THREADED, WELDING AND EXTENDED - BODY ENDS

Part No. **CB0301A1AABTHQZ00B**
 (Código) **3" Fig. 8112 F A105, THQZ00B**
 Description **STEEL BALL VALVE 150 PSI**
 Descripción **(VALVULA ESFERA DE ACERO 150 PSI)**

(VALVULA SERVICIO NACE MR0175/ISO 15156 ED 2003
 PRUEBA DE FUEGO API 6FA, API 607

) (PINTURA AMBIENTE MARINO, PRUEBA CON AIRE
 INC. C3 DEL APENDICE C DEL API-SPEC-6D
)

PRESSURE TEST (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK (SEAT)	SIDE (LADO)	
			1	2
HYDROSTATIC (PSI) (HIDROSTATICA)	430		315	315
PNEUMATIC (PSI) (NEUMATICA)			80	80

MECHANICAL TESTS (PROP. MECANICAS)

CHEMICAL COMPOSITION (%)													COMPOSICIÓN QUIMICA (%)					TENS	YIELD	ELG	RED	BHN
--------------------------	--	--	--	--	--	--	--	--	--	--	--	--	-------------------------	--	--	--	--	------	-------	-----	-----	-----

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	KPSI CVN@	KPSI 1ST	% 2ND	% 3RD	AVG
BALL BOLA	S3542	ASTM A-105N	0.180	0.740	0.018	0.019	0.260	0.050	0.070	0.060	0.040	0.001		75.98	40.48	35	46	160
BODY CUERPO	8T137	ASTM A-105N	0.180	0.770	0.019	0.018	0.250	0.070	0.060	0.010	0.080	0.001		74.97	40.31	29	42	157
END1 EXTREMO1	8T137	ASTM A-105N	0.180	0.770	0.019	0.018	0.250	0.070	0.060	0.010	0.080	0.001		74.97	40.31	29	42	157
END2 EXTREMO2	8T137	ASTM A-105N	0.180	0.770	0.019	0.018	0.250	0.070	0.060	0.010	0.080	0.001		74.97	40.31	29	42	157

JESSICA GARCIA

CERTIFICADO POR:
 ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:
 QUALITY ASSURANCE