



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 **V064B4595**
 (Fecha) Date **06/11/2007**

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 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 ANF 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. CB0401A1AAB
 (Codigo)
4" Fig. 8112 F A105, TH0000B
 Description **STEEL BALL VALVE**
 (VALVULA ESFERA DE ACERO)
 MANUFACTURED TO MEET NACE MR-01-75 REQUIREMENTS FIRE TEST API 6FA, API 607.
 REV 2003
 (VALVULA SERVICIO NACE MR-01-75
 PRUEBA DE FUEGO API 6FA, API 607)

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

CHEMICAL COMPOSITION (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	COMPOSICIÓN QUÍMICA (%)											TENS	YIELD	ELG	RED	BHN
			C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	KPSI CVN ₅₀	KPSI 1ST	% 2ND	% 3RD	AVG
BODY CUERPO	506-476	ASTM A-105N	0.220	0.800	0.022	0.025	0.230	0.180	0.150	0.001	0.130	0.001		72.71	47.31	36	62	146
WEDGE DISCO	B078	ASTM A-105N	0.220	0.800	0.013	0.004	0.250	0.090	0.200	0.005	0.140	0.002		76.92	45.72	55	40	170
END1 EXTREMO1	506-476	ASTM A-105N	0.220	0.800	0.022	0.025	0.230	0.180	0.150	0.001	0.130	0.001		72.71	47.31	36	62	146
END2 EXTREMO2	506-476	ASTM A-105N	0.220	0.800	0.022	0.025	0.230	0.180	0.150	0.001	0.130	0.001		72.71	47.31	36	62	146

MECHANICAL TESTS (PROP. MECANICAS)

CERTIFIED BY:
 QUALITY ASSURANCE

 Sandra Ruiz