



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 V064B4594
 (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.)

- 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
- 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. 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)

TEST	VALOR	REQUIREMENT
PRESSURE TEST (PRUEBAS DE PRESION)	430	430
HYDROSTATIC (PSI) (HIDROSTATICA)	430	313
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	TENS (KPSI CYN@)	YIELD (KPSI 1ST)	ELG (% 2ND)	RED (% 3RD)	BHN (LADO) 1	BHN (LADO) 2	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)

CERTIFICADO POR ASEGURAMIENTO DE CALIDAD CERTIFIED BY: QUALITY ASSURANCE

Sandra Ruiz