



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 V074B357
 (Fecha) Date 29/10/2007

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 (CERTIFICAMOS QUE EL PRODUCTO LISTADO ABAJO FUE DISEÑADO, FABRICADO Y PROBADO DE ACUERDO CON NUESTRO SISTEMA DE CALIDAD Y CON REQUISITOS ESTABLECIDOS EN UNO O MAS DE LOS SIGUIENTES ESTANDARES.)

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|-------------|---|-------------|---|
| 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. CB1603A2AAB
 (Código)
Description 16" Fig. 8622 F A105, THKK00B
 Descripción 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 PRESION)	SHELL (CASCO)	BACK (SEAT)	SIDE (LADO)
HYDROSTATIC (PSI) (HIDROSTATICA)	2220	1	2
PNEUMATIC (PSI) (NEUMATICA)		80	1630

(VALVULA CON RECUBRIMIENTO EXTERIOR DE PINTURA PARA *AMBIENTE MARINO)

		COMPOSICIÓN QUÍMICA (%)											MECHANICAL TESTS (PROP. MECANICAS)							
		CHEMICAL COMPOSITION (%)																		
ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	KPSI CVN@	KPSI 1ST	% 2ND	% 3RD	RED	BHN	AVG
BODY CUERPO	06010153	ASTM A-105N	0.200	0.870	0.023	0.007	0.230	0.070	0.120	0.030	0.100	0.003		73.58	49.64	35	63	148		
WEDGE DISCO	XS112	ASTM A-105N	0.190	0.930	0.020	0.013	0.210	0.050	0.200	0.020	0.160	0.002		79.63	52.24	36	65	158		
END1 EXTREMO1	06010153	ASTM A-105N	0.200	0.870	0.023	0.007	0.230	0.070	0.120	0.030	0.100	0.003		73.58	49.64	35	63	148		
END2 EXTREMO2	06010153	ASTM A-105N	0.200	0.870	0.023	0.007	0.230	0.070	0.120	0.030	0.100	0.003		73.58	49.64	35	63	148		

Sandra Ruiz

CERTIFICADO FOR: CERTIFIED BY:
 ASEGURAMIENTO DE CALIDAD QUALITY ASSURANCE