



Industrial de Válvulas, S.A. de C.V.
 Av. de la Industria Lote 16 Fracc. Industrial el Trébol
 Tepetzotlan, Estado de México C.P. 54600

(Numero) Number
 (Fecha) Date

V064B3797
 25/07/2007

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 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 | API 600 |
| - VALVE INSPECTION AND TESTING | - PIPELINE VALVES - GATE, PLUG, BALL AND CHECK |
| - METAL PLUG VALVES - FLANGED, THREADED AND WELDING | - STEEL GATE VALVES - FLANGED AND WELDING ENDS |
| API 599 | ANSI B16.11 |
| - FACE TO FACE AND END TO END DIMENSIONS OF VALVES | - FORGED FITTINGS, SOCKET - WELDING AND THREADED |
| ANSI B16-10 | API 602 |
| - VALVES - FLANGED, THREADED AND WELDING ENDS | - COMPACT STEEL GATE VALVES - FLANGED, THREADED, WELDING AND EXTENDED - BODY ENDS |
| ANSI B16-34 | |
| - PRESSURE TESTING OF STEEL VALVES | |
| MSS-SP61 | |

Part No. CB0303A1AAB
 (Codigo)

Description 3" Fig. 8612 F A105, TH00000B
 (Descripción) VALVULA ESFERA DE ACERO

(STEEL BALL VALVE)
 MANUFACTURED TO MEET NACE MR-01-75 REQUIREMENTS *FIRE TEST API 6FA, API 607
 (VALVULA SERVICIO NACE MR-01-75 *PRUEBA DE FUEGO API 6FA, API 607)

PRESSURE TESTS (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK SEAT	SIDE 1	(LABO) 2
HYDROSTATIC (Psi) (HIDROSTATICA)	2220		1630	1630
PNEUMATIC (Psi) (NEUMATICA)			80	80

CHEMICAL COMPOSITION (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	COMPOSICIÓN QUIMICA (%)											MECHANICAL TESTS (PROP. MECANICAS)					
			C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	KPSI CVN@	KPSI 1ST	% 2ND	% 3RD	AVG BHN	
BODY CUERPO	063-2780	ASTM A-105N	0.200	0.780	0.021	0.021	0.210	0.040	0.040	0.040	0.001	0.040	0.001		77.79	53.70	38	48	168
HORQUILLA	063-2780	ASTM A-105N	0.200	0.780	0.021	0.021	0.210	0.040	0.040	0.040	0.001	0.040	0.001		77.79	53.70	38	48	168
END1 EXTREMO1	063-2780	ASTM A-105N	0.200	0.780	0.021	0.021	0.210	0.040	0.040	0.040	0.001	0.040	0.001		77.79	53.70	38	48	168
WEDGE DISCO	B056	ASTM A-105N	0.220	0.830	0.009	0.004	0.230	0.040	0.080	0.031	0.130	0.007		81.28	49.35	35	52	160	

Sandra Ruiz