



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

(Numero) Number
 (Fecha) Date

V064B3822
 16/07/2007

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 | - VALVE INSPECTION AND TESTING | API 6D | - PIPELINE VALVES - GATE, PLUG, BALL AND 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. CB1203A2AAB
 (Codigo)
Description 12" Fig. 8622 F A105, TH0000B
 (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	(LADO) 2
HYDROSTATIC (Psi) (HIDROSTATICA)	2220		1630	1630
PNEUMATIC (Psi) (NEUMATICA)			80	80

CHEMICAL COMPOSITION (%)

COMPOSICIÓN QUIMICA (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	CHEMICAL COMPOSITION (%)											MECHANICAL TESTS (PROP. MECANICAS)						
			C	Min	P	S	SI	Ni	Cr	Mo	Cu	V	W	KPSI CVN@	KPSI 1ST	% 2ND	% 3RD	AVG	TENS YIELD	ELG
BODY CUERPO	063-2685	ASTM A-105N	0.200	0.780	0.021	0.021	0.210	0.030	0.040	0.001	0.040	0.001	0.040	0.001		77.65	51.96	38	48	168
HORQUILLA	063-2781	ASTM A-105N	0.200	0.780	0.021	0.021	0.210	0.040	0.040	0.001	0.040	0.001	0.040	0.001		77.79	53.70	38	48	168
ENDI EXTREMOI	063-2781	ASTM A-105N	0.200	0.780	0.021	0.021	0.210	0.040	0.040	0.001	0.040	0.001	0.040	0.001		77.79	53.70	38	48	168
WEDGE DISCO	B041	ASTM A-105N	0.205	0.800	0.025	0.007	0.220	0.050	0.013	0.020	0.195	0.100			77.94	45.57	35	42	170	


 Sandra Kutz