



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

(Numero) Number V064B4108
 (Fecha) Date 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 PRABADO 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 599
ANSI B16-10
ANSI B16-34
MSS-SP61 | - 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 | API 6D
API 600
ANSI B16.11
API 602 | - PIPELINE VALVES - GATE, PLUG, BALL AND 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. CB2003A2AAB
 (Codigo)
Description 20" Fig. 8622 F A105, TH0000B
 (Descripción) VALVULA ESFERA DE ACERO
 (STEEL BALL VALVE)
 MANUFACTURED TO MEET NACE MR-01-75 REQUIREMENTS *PIRE 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 (LADO)	
			1	2
HYDROSTATIC (PSI) (HIDROSTATICA)	2220		1630	1630
PNEUMATIC (PSI) (NEUMATICA)			80	80

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	CHEMICAL COMPOSITION (%)										MECHANICAL TESTS (PROP. MECANICAS)				
			C	Min	P	S	SI	NI	Cr	Mo	Cu	V	W	TENS YIELD KPSI CVN@	ELG 1ST	RED 2ND	BHN 3RD AVG
BODY CUERPO	6E657	ASTM A-105N	0.220	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
HORQUILLA	6E673	ASTM A-105N	0.190	0.680	0.014	0.008	0.230	0.060	7.000	0.020	0.130	0.001	76.92	48.62	30	58	155
ENDI EXTREMOI	6E673	ASTM A-105N	0.190	0.680	0.014	0.008	0.230	0.060	7.000	0.020	0.130	0.001	76.92	48.62	30	58	155
WEDGE DISCO	JD035	ASTM A-105N	0.160	0.680	0.017	0.025	0.240	0.080	0.060	0.013	0.150		79.20	47.40	38	51	147

CERTIFICADO POR
 ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:
 QUALITY ASSURANCE

Sandra Ruiz