



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 **V064B4839**
 (Fecha) Date **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:

- | | |
|--|---|
| 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. CB1601A2AAB
 (Codigo)
Description 16" Fig. 8122 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 PRESSION)	SHELL (CASCO)	BACK SEAT	SIDE (LADO)	
			1	2
HYDROSTATIC (psi) (HIDROSTATICA)	430		313	313
PNEUMATIC (Psi) (NEUMATICA)			80	80

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	CHEMICAL COMPOSITION (%)											MECHANICAL TESTS (PROP. MECANICAS)				
			C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	TENS CVN@	YIELD 1ST	ELG 2ND	RED 3RD	BHN AVG
HORQUILLA	064-1636	ASTM A-105N	0.200	0.720	0.013	0.021	0.240	0.020	0.100	0.001	0.030	0.001	71.84	47.75	30	52	148	
ENDI EXTREMOI	064-1636	ASTM A-105N	0.200	0.720	0.013	0.021	0.240	0.020	0.100	0.001	0.030	0.001	71.84	47.75	30	52	148	
BODY CUERPO	064-1638	ASTM A-105N	0.200	0.785	0.021	0.019	0.212	0.030	0.030	0.001	0.040	0.001	78.08	52.39	38	45	166	
WEDGE DISCO	XSI103	ASTM A-350/UF2	0.200	0.890	0.013	0.008	0.210	0.078	0.165	0.030	0.150	0.001	78.37	51.67	36	57	147	
													45.72	33.92	39.09	39.57		