



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

(Numero) Number **V064B4910**
 (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 PRUBADO 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 599 - METAL PLUG VALVES - FLANGED, THREADED AND WELDING
ANSI B16-10 - FACE TO FACE AND END TO END DIMENSIONS OF VALVES
ANSI B16-34 - VALVES - FLANGED, THREADED AND WELDING ENDS
MSS-SP61 - PRESSURE TESTING OF STEEL VALVES | API 6D - PIPELINE VALVES - GATE, PLUG, BALL AND CHECK
API 600 - STEEL GATE VALVES - FLANGED AND WELDING ENDS
ANSI B16.11 - FORGED FITTINGS, SOCKET - WELDING AND THREADED
API 602 - COMPACT STEEL GATE VALVES - FLANGED, THREADED, WELDING AND EXTENDED - BODY ENDS |
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Part No. CB0203A1AAB
 (Codigo)
Description 2" Fig. 8612 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

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	CHEMICAL COMPOSITION (%)											MECHANICAL TESTS (PROP. MECANICAS)				
			C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	KPSI CVN@	KPSI 1ST	% 2ND	% 3RD	% AVG
BODY	063-2780	ASTM A-105N	0.200	0.780	0.021	0.021	0.210	0.040	0.040	0.001	0.040	0.001	77.79	53.70	38	48	168	
HORQUILLA	506-575	ASTM A-105N	0.210	0.760	0.021	0.021	0.220	0.030	0.030	0.001	0.040	0.001	77.07	50.80	38	45	158	
ENDI EXTREMO I	506-575	ASTM A-105N	0.210	0.760	0.021	0.021	0.220	0.030	0.030	0.001	0.040	0.001	77.07	50.80	38	45	158	
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	

CERTIFICADO POR
 ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:
 QUALITY ASSURANCE
 Sandra Ruiz