



Industrial de Valvulas, S.A de C.V.
 Av. de La Industria Lote 16 Fracc. Industrial El Trebol
 Tepic, Jalisco, Estado de Mexico C.P. 54600

(Numero) Number V064B5139
 (Fecha) Date 28/03/2008

QUALITY ASSURANCE CERTIFICATE OF COMPLIANCE

(ACCORDING TO EN10204 TYPE 3.1)
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 LAST EDITION:
 ESTANDARES ULTIMA EDICION)

- 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

Part No. CB0203A1AAB
 (Codigo) **2" Fig. 8612 F A105, TH0000B**
 Descripción **STEEL BALL VALVE**
(VALVULA ESFERA DE ACERO)
 MANUFACTURED TO MEET NACE MR-01-75 REQUIREMENTS FIRE TEST API 6FA, API 607, REV 2003 (VALVULA SERVICIO NACE MR-01-75 PRUEBA DE FUEGO API 6FA, API 607)

PRESSURE TEST (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK (SEAT)	SIDE (LADO)
HYDROSTATIC (PSI) (HIDROSTATICA)	2225		1630 1630
PNEUMATIC (PSI) (NEUMATICA)			80 80

CHEMICAL COMPOSITION (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	TENS KPSI (PRUEBAS DE PRESION)	YIELD KPSI (EST)	ELG % 2ND	RED % 3RD	BHN (LADO)
BALL BOLA	B069	ASTM A-105N	0.205	0.760	0.010	0.002	0.200	0.080	0.240	0.010	0.260	0.006		76.20	44.99	36	46	162
BODY CUERPO	063-2731	ASTM A-105N	0.220	0.760	0.021	0.021	0.210	0.030	0.030	0.001	0.030	0.001		77.94	52.98	38	46	168
END1 EXTREMO1	063-2750	ASTM A-105N	0.210	0.790	0.020	0.020	0.200	0.030	0.040	0.001	0.030	0.001		77.65	53.41	39	47	171
END2 EXTREMO2	063-2750	ASTM A-105N	0.210	0.790	0.020	0.020	0.200	0.030	0.040	0.001	0.030	0.001		77.65	53.41	39	47	171

MECHANICAL TESTS (PROP. MECANICAS)

FACIO-21 REV 3*

CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD
 CERTIFIED BY: QUALITY ASSURANCE
 Sandra Ruiz