



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
 (Fecha) Date

V074B901
 28/03/2008

QUALITY ASSURANCE CERTIFICATE OF COMPLIANCE

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:
 (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 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 ANF 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**

Description **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)

CHEMICAL COMPOSITION (%)

ITEM (PART)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	TENS KPSI CVMd	YIELD KPSI 1ST	ELG % 2ND	RED % 3RD	BHN AVG
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	07-2-111	ASTM A-105N	0.200	0.830	0.015	0.006	0.250	0.100	0.110	0.010	0.160	0.001		72.86	54.43	33	72	160
END1 EXTREMO1	07-2-114	ASTM A-105N	0.190	0.860	0.017	0.005	0.240	0.090	0.150	0.010	0.160	0.001		73.29	50.94	33	58	152
END2 EXTREMO2	07-2-114	ASTM A-105N	0.190	0.860	0.017	0.005	0.240	0.090	0.150	0.010	0.160	0.001		73.29	50.94	33	58	152

COMPOSICIÓN QUÍMICA (%)

MECHANICAL TESTS (PROF. MECANICAS)	PRESSURE TEST (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK (SEAL)	SIDE (LADO)
HYDROSTATIC (PSI) (HIDROSTATICA)	2225	1630	1630	1630
PNEUMATIC (PSI) (NEUMATICA)	80	80	80	80

CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD

CERTIFIED BY: QUALITY ASSURANCE

Sandra Ruiz