



WALWORTH
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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

V064B2980
09/05/2008

QUALITY ASSURANCE CERTIFICATE OF COMPLIANCE

(ACCORDING TO EN10204 TYPE 3.1)
ASEGURAMIENTO DE CALIDAD CERTIFICADO DE CUMPLIMIENTO
MANUFACTURED AND TESTED ACCORDING TO OUR QUALITY SYSTEM AND REQUIREMENTS GIVEN IN ONE OR MORE OF THE FOLLOWING STANDARDS LAST EDITION:
ESTANDARES ULTIMA EDICION.)

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. **CB0603A2AAB**

(Codigo) **6" Fig. 8622 F A105, TH0000B**

Description **STEEL BALL VALVE (VALVULA ESFERA DE ACERO)**

MANUFACTURED TO MEET NACE MR-01-75 REQUIREMENTS FIRE TEST API 6FA, API 07, REV 2003 (VALVULA SERVICIO NACE MR-01-75/SISO S156 ED 2003 PRUEBA DE FUEGO API 6FA, API 07)

PRESSURE TEST (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK (SEAL)	SIDE (LADO)
HYDROSTATIC (PSI) (HIDROSTATICA)	2225		1 1630 2 1630
PNEUMATIC (PSI) (NEUMATICA)			1 80 2 80

MECHANICAL TESTS (PROF. MECANICAS)

CHEMICAL COMPOSITION (%)

COMPOSICIÓN QUÍMICA (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	TENS KPSI (CVN66)	YIELD KPSI (1ST)	ELG % (2ND)	RED % (3RD)	BHN (AVG)
BALL BOLA	B076	ASTM A-105N	0.210	0.850	0.024	0.010	0.290	0.080	0.240	0.010	0.200	0.006		73.58	45.28	36	46	160
BODY CUERPO	063-2018	ASTM A-105N	0.220	0.780	0.021	0.019	0.230	0.001	0.040	0.001	0.050	0.001		76.63	53.56	39	40	172
END1 EXTREMO1	063-2450	ASTM A-105N	0.200	0.780	0.021	0.020	0.210	0.040	0.040	0.001	0.040	0.001		77.94	50.77	35	50	171
END2 EXTREMO2	063-2450	ASTM A-105N	0.200	0.780	0.021	0.020	0.210	0.040	0.040	0.001	0.040	0.001		77.94	50.77	35	50	171

PAQ10-21 REV "3"

CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD

CERTIFIED BY: **SANDRA RUIZ**