



Since 1842

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

V074B203
09/05/2008

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:

(CERTIFICAMOS QUE EL PRODUCTO LISTADO ABAJO FUE DISEÑADO, FABRICADO Y PRABADO 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^o 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 07, REV. 2003 (VALVULA
SERVICIO NACE MR-01-75/SISO 5156 ED 2003
PRUEBA DE FUEGO API 6FA, API 607

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

CHEMICAL COMPOSITION (%)

ITEM (PARTID)	HEAT No. (COLADN)	MATERIAL (ASTM)	C	Min	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	TENS KPSI CVNIG	YIELD KPSI 1ST	ELG %	RED %	BHN AVG
BALL BOLA	XS112	ASTM A-105N	0.190	0.930	0.020	0.013	0.210	0.050	0.200	0.020	0.160	0.002		79.63	52.24	36	65	158
BODY CUERPO	063-2598	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	063-2598	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
END2 EXTREMO2	063-2598	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

MECHANICAL TESTS (PROP. MECANICAS)

FAQ10-21 REV 3*

CERTIFICADO POR:
ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:
QUALITY ASSURANCE

SANDRA RUIZ