



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

V08C15834
 29/04/2008

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 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. AC011A12MAA

(Codigo) 2" Fig. 5202 F 3HF WCB, API TRIM No.12 8300000

Description CAST STEEL GATE VALVE
 (VALVULA COMPUERTA DE ACERO FUNDIDO)

VALVE WITH LOW EMISSION CONTROL. (VALVULA SUMINISTRADA CON CONTROL DE EMISIONES FUGITIVAS A 50 PPM'S MAX)

PRESSURE TEST (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK (SEAT)	SIDE (LADO)
			1 2
HYDROSTATIC (PSID) (HIDROSTATICA)	450	450	N A N A
PNEUMATIC (PSID) (NEUMATICA)			80 80

MECHANICAL TESTS (PROP. MECANICAS)

CHEMICAL COMPOSITION (%) / COMPOSICIÓN QUÍMICA (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Min	P	S	SI	Ni	Cr	Mo	Cu	V	Cb	TENS (KPSI CVN ₁₀)	YIELD (KPSI 1ST)	ELG (%) 2ND	RED (%) 3RD	BHN AVG
BONNET BONETE	WH11623	ASTM A-216/WCB	0.206	0.885	0.025	0.027	0.463	0.049	0.047	0.021	0.019	0.006		0.00	44.37	28	51	156
BODY CUERPO	WH6655	ASTM A-216/WCB	0.205	0.861	0.029	0.030	0.504	0.030	0.030	0.010	0.030	0.005		77.28	45.67	26	49	163
WEDGE DISCO	WH13104	ASTM A-216/WCB	0.210	0.970	0.021	0.015	0.490	0.070	0.130	0.040	0.041	0.002		87.20	55.03	25	48	163

Normalized to (Normalizado a) 930 °C

Cooled in air (Cooled in air: (Enfri)

CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD

CERTIFIED BY: Sandra Ruiz