



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 V08C14374
 (Fecha) Date 03/09/2008

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 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. AC032A08MAB830000K

(Codigo) 3" Fig. 5206 F UT WCB, API TRIM No.8 830000K

Description 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)
HYDROSTATIC (PSI) (HIDROSTATICA)	1125	1125	N/A N/A
PNEUMATIC (PSI) (NEUMATICA)			80 80

CHEMICAL COMPOSITION (%)

COMPOSICIÓN QUÍMICA (%)

ITEM (PARTE)	HEAT No. (CALDA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	TENS (KSI) (CVN ₆₀)	YIELD (KSI) (1ST)	ELG (%) (2ND)	RED (%) (3RD)	BHN (AVG)
BONNET BONETE	WH20617	ASTM A-216/WCB	0.219	0.965	0.026	0.014	0.505	0.049	0.055	0.020	0.013	0.001		77.14	50.17	35	47	150
BODY CUERPO	WH22581	ASTM A-216/WCB	0.210	0.931	0.026	0.012	0.501	0.026	0.056	0.031	0.062	0.008		76.56	43.50	32	56	161
WEDGE DISCO	D2074	ASTM A-217/CA15	0.120	0.850	0.018	0.011	0.910	0.800	12.460	0.011	0.033	0.001		100.48	68.73	26	48	271

Normalizado to (Normalizado a) 920 °C Temper to (Temple a) 650 °C Cooled in air (Enfriado en aire) (Enfr)

Normalizado to (Normalizado a) 920 °C Temper to (Temple a) 650 °C Cooled in air (Enfriado en aire) (Enfr)

Normalizado a (Normalizado to) 970 °C Enfriado en aire (Enfriado en aire) (C)

MECHANICAL TESTS (PROP. MECANICAS)

JESSICA GARCIA