



WALWORTH
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

V08C22628
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 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 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. AC031A08MAA8300000

(Codigo) 3" Fig. 5202 F UT WCB, API TRIM No.8 8300000

Description CAST STEEL GATE VALVE
(VALVULA COMPLETA 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 (SEAL)	SIDE (LADO)
			1 2
HYDROSTATIC (PSI) (HIDROSTATICA)	450	450	N A N A
PNEUMATIC (PSI) (NEUMATICA)			80 80

CHEMICAL COMPOSITION (%)

COMPOSICIÓN QUÍMICA (%)

ITEM (PARTS) (COLADA)	HEAT No. (ASTM)	MATERIAL (ASTM)	C	Mn	P	S	SI	NI	Cr	Mo	Cu	V	Cb	TENS (KPSI CVN@)	YIELD (KPSI IST)	ELG (% 2ND)	RED (% 3RD)	BHN (AVG)
BONNET BONETE	WH25700	ASTM A-216/WCB	0.201	0.920	0.021	0.020	0.418	0.024	0.035	0.009	0.042	0.006		78.01	42.63	26	47	169
BODY CUERPO	WH26695	ASTM A-216/WCB	0.197	0.899	0.035	0.022	0.415	0.018	0.031	0.005	0.005	0.002		74.53	43.79	26	51	156
WEDGE DISCO	WH81252	ASTM A-217/CA15	0.125	0.715	0.024	0.024	0.621	0.026	12.950	0.015	0.015	0.013		97.44	72.94	29	38	300

Normalizado a (Normalizado a) 930 °C
Normalizado a (Normalizado a) 930 °C
Normalizado a (Normalizado a) 930 °C
Normalizado a (Normalizado a) 970 °C
Enfriado en aire (Enfriado en aire. (C))

MECHANICAL TESTS (PROP. MECANICAS)

CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD

CERTIFIED BY: JESSICA GARCIA

QUALITY ASSURANCE