



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

V08C21581
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)

- VALVE INSPECTION AND TESTING
- METAL PLUG VALVES - FLANGED, THREADED AND WELDING
- FACE TO FACE AND END TO END DIMENSIONS OF VALVES
- VALVES - FLANGED, THREADED AND WELDING ENDS
- PRESSURE TESTING OF STEEL VALVES
- PIPELINE VALVES - GATE, PLUG, BALL ANF CHECK
- STEEL GATE VALVES, FLANGED AND WELDING ENDS
- FORGED FITTINGS, SOCKET - WELDING AND THREADED
- 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 COMPUERTA DE ACERO FUNDIDO)

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

TEST	SHELL (CASCO)	BACK (SEAL)	SIDE (LADO)
PRESSURE TEST (PRUEBAS DE PRESION)	450	450	N/A
HYDROSTATIC (PSI) (HIDROSTATICA)	450	450	N/A
PNEUMATIC (PSI) (NEUMATICA)	80	80	80

CHEMICAL COMPOSITION (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	TENS (KPSI CVIN)	YIELD (KPSI 1ST)	ELG (%) 2ND	RED (%) 3RD	BHN	AVG
BONNET	WH21121	ASTM A-216/WCB	0.207	0.960	0.030	0.012	0.476	0.052	0.068	0.019	0.018	0.006		82.07	44.66	30	42	159	
BONNET	WH28501	ASTM A-216/WCB	0.204	0.896	0.035	0.023	0.475	0.027	0.034	0.005	0.043	0.004		75.98	45.68	26	46	168	
WEDGE	D4771	ASTM A-217/CA15	0.100	0.790	0.032	0.016	0.810	0.910	12.140	0.022	0.029	0.002		97.88	71.63	28	42	270	

Normalizado a (Normalized to) 920 °C
Temper to (Temper) a 650 °C
Normalizado a (Normalized to) 930 °C
Temple a (Temper) to 630 °C

CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:
JESSICA GARCIA

QUALITY ASSURANCE

FAC10-21 REV "3"