



WALWORTH
Since 1842

Industrial de Valvulas, S.A de C.V.
Av. de La Industria Lote 16 Fracc. Industrial El Trebol
Tepozotlan, Estado de Mexico C.P. 54600

(Numero) Number V07C27499
(Fecha) Date 02/10/2007

QUALITY ASSURANCE CERTIFICATE OF COMPLIANCE

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:
(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.)

- 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. AC042A08MAA (Codigo)

Description 4" Fig. 5206 F UT WCB, API TRIM No.8 8300000

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 (%)

ITEM (PARTES)	HEAT No. (COLDADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	TENS (KPSI CVM@)	YIELD (KPSI IST)	ELG (%) 2ND	RED (%) 3RD	BHN AVG
BONNET	WH22554	ASTM A-216/WCB	0.214	0.882	0.020	0.011	0.503	0.022	0.043	0.005	0.036	0.001		88.45	41.32	29	49	151
BONNET	WH22554	ASTM A-216/WCB	Normalized to (Normalized a) 930 °C															
BODY	WH22670	ASTM A-216/WCB	0.210	0.959	0.032	0.023	0.506	0.021	0.047	0.014	0.052	0.005		72.07	53.36	32	48	154
BODY	WH22670	ASTM A-216/WCB	Normalized to (Normalized a) 930 °C															
WEDGE	WH81077	ASTM A-217/CA15	0.127	0.693	0.035	0.022	0.608	0.087	12.580	0.021	0.014	0.001	0.000	101.50	73.23	28	44	287
WEDGE	WH81077	ASTM A-217/CA15	Normalized a (Normalized to) 970 °C															
DISCO			Temple a (Temper to) 650 °C															
DISCO			Enfriado en aire. (Enfriado en aire. (C)															

MECHANICAL TESTS (PROP. MECANICAS)

CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD

CERTIFIED BY: SANDRA RUIZ