WALWORTH®
Industrial de Válvulas, S.A. de C.V.
Av. de la Industria Lote 16 Fraco. Industrial el Trébol
Tepotzotlán, Estado de México C.P. 54600

(NUMERO) NUMBER: V03C10876
(FECHA) DATE: 09/12/2003

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 STANDARS:

CERTIFICAMOS QUE EL PRODUCTO LISTADO ABAJO FUE DISEÑADO, FABRICADO Y PROBADO DE ACUERDO CON NUESTRO SISTEMA DE CALIDAD Y CON REQUISITOS ESTABLECIDOS EN UNO O MAS DE LOS SIGUIENTES ESTANDARES

API 6D	- PIPELINE VALVES - GATE, PLUG, BALL AND CHECK
API 600	- STEEL GATE VALVES - FLANGED AND BUT-WELDING ENDS
API 598	- VALVE INSPECTION AND TESTING
API 599	- METAL PLUG VALVES - FLANGED AND WELDING ENDS-
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

PART. No.: (CODIGO) 00677N

DESCRIPTION: (DESCRIPCION) 8" FIG. 5202 F UT WCB, API TRIM No.8
CAST STEEL GATE VALVE (VALVULA COMPUERTA DE ACERO FUNDIDO)

MANUFACTURED TO MEET NACE MR0175 REQUIREMENT (VALVULAS DE SERVICIO NACE MR0175 Y CONTROL DE) AND LOW FUGITIVE EMISSIONS CONTROL (EMISIONES FUGITIVAS DE 50 PPM's)

PRESSURE TESTS (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK SEAT	SIDE (LADO) 1	SIDE (LADO) 2
HYDROSTATIC (PSI) (HIDROSTATICA)	450	450	315	315
PNEUMATIC (PSI) (NEUMATICA)			80	80

ITEM (PARTE)	HEAT No. (COLADA)	CHEMICAL COMPOSITION (%) (COMPOSICION QUIMICA) MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	MECHANICAL TESTS (PROP. MECANICAS) TENS KPSI CVN@	YIELD KPSI 1ST	ELG % 2ND	RED % 3RD	BHN AVG
BODY (CUERPO)	J2937	A 216 WCB	0.220	0.920	0.024	0.020	0.460	0.018	0.028	0.001	0.025	0.005		73.23	42.05	25.0	50.0	141
BONNET COVER (BONETE TAPA)	J3070	A 216 WCB	0.210	0.920	0.032	0.014	0.440	0.032	0.039	0.001	0.054	0.005		73.22	42.05	29.0	56.0	142
WEDGE DISK PLUG (DISCO)	C3734	A 216 WCB	0.200	0.870	0.017	0.015	0.460	0.060	0.120	0.001	0.070	0.002		75.84	46.98	29.0	40.0	145

CERTIFIED BY: QUALITY ASSURANCE

CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD