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

(NUMERO) **NUMBER:** V04R1577
(FECHA) **DATE:** 15/06/2004

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) 01979N

DESCRIPTION: (DESCRIPCION) 3" FIG. 5341 F UT WCB, API TRIM No.8
CAST STEEL SWING CHECK VALVE (VALVULA RETENCION TIPO COLUMPIO DE ACERO FUNDIDO)
VALVE WITH LOW EMISSION CONTROL (VALVULA SUMINISTRADA CON CONTROL DE EMISIONES)
(FUGITIVAS A 50 PPM'S MAX)

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

		CHEMICAL COMPOSITION (%) (COMPOSICION QUIMICA)												MECHANICAL TESTS (PROP. MECANICAS)				
ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	TENS KPSI	YIELD KPSI	ELG %	RED %	BHN
														CVN@	1ST	2ND	3RD	AVG
BODY (CUERPO)	WN1958	A 216 WCB	0.190	1.003	0.021	0.017	0.472	0.080	0.060	0.010	0.010	0.001		75.69	44.95	27.0	45.0	162
BONNET COVER (BONETE TAPA)	WN1985	A 216 WCB	0.200	0.899	0.020	0.017	0.365	0.050	0.030	0.010	0.010	0.001		73.95	42.77	27.0	54.0	169
WEDGE DISK PLUG (DISCO)	Z0011	217 CA15	0.130	0.850	0.018	0.014	0.960	0.350	12.420	0.220	0.000	0.000		100.05	75.90	26.0	45.0	260

CERTIFIED BY:
QUALITY ASSURANCE
CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD