WALWORTH

Industrial de Válvulas, S.A. de C.V.

Av. Industria 16,
Fraccionamiento Industrial El Trébol
Tepotzotlán, Edo. de México, 54600.

SERIAL NUMBER: V03G79
DATE: 29 JAN 03

QUALITY ASSURANCE CERTIFICATE OF COMPLIANCE

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:

API 6D	- PIPELINE VALVES - GATE, PLUG, BALL AND CHECK
API 600	- STEEL GATE VALVES - FLANGED AND BUTT-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.: 81127P

DESCRIPTION: 12" FIG. 5281 F UT WCB, API TRIM No. 8
VALV. GLOBO DE ACERO FUND.

VALVULA SUMINISTRADA CON CONTROL DE EMISIONES FUGITIVAS A 50 PPM'S MAX

PRESSURE TESTS	SHELL	BACK SEAT	1ST SIDE	2ND SIDE
HYDROSTATIC (PSI)	1125	1125	825	N A
PNEUMATIC (PSI)			80	N A

ITEM	HEAT No.	CHEMICAL COMPOSITION (%)												MECHANICAL TESTS				
		MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	TENS KPSI CVN@	YIELD KPSI 1ST	ELG % 2ND	RED % 3RD	BHN AVG
CUERPO	3712A007	A 216 WCB	0.210	0.950	0.019	0.017	0.430	0.050	0.110	0.020	0.046	0.004		74.12	44.92	24.0	45.0	156
BONETE-TAPA	3920A008	A 216 WCB	0.220	0.950	0.016	0.018	0.460	0.060	0.110	0.020	0.053	0.003		78.61	47.17	28.0	48.0	156
CUNA-DISCO-TAPON	648A001	A 216 WCB	0.200	0.990	0.019	0.016	0.480	0.040	0.080	0.010	0.057	0.006		75.24	44.92	26.0	51.0	156

CERTIFIED BY: _____
QUALITY ASSURANCE