



Industrial de Válvulas, S.A. de C.V.
 Av. de la Industria Lote 16 Fracc. Industrial El Trébol
 Tepetzotlán, Estado de México. C.P. 54600

(NUMERO) NUMBER:
 (FECHA) DATE:

1503/2002
 04 JUL 2002

**QUALITY ASSURANCE (ASEGURAMIENTO DE CALIDAD)
 CERTIFICATE OF COMPLIANCE (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 STANDARES:**

- ANSI B16.11 - FORGED FITTINGS, SOCKET - WELDING AND THREADED**
- API 602 - COMPACT STEEL GATE VALVES - FALNGED, THREADED, WELDING AND EXTENDED - BODY ENDS**
- API 598 - VALVE INSPECTION AND TESTING**
- 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.: 68036
 (CODIGO)

DESCRIPTION: 1.5" FIG. 950SW UT A105, API TRIM No. 8
 (DESCRIPCION) FORGED STEEL GATE VALVE

PRESSURE TESTS (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK SEAT	SIDE (LADO)	
			1	2
HYDROSTATIC (PSI) (HIDROSTATICA)	2970	2970	N A	N A
PNEUMATIC (PSI) (NEUMATICA)			80	80

INVOICE : 37738 ITEM : 17

ITEM PARTE	HEAT No. COLADA	MATERIAL (ASTM)	CHEMICAL COMPOSITION (%) (COMPOSICION QUIMICA)												MECH. TESTS (PROP. MECANICAS)				
															TENS	YIELD	ELG	RED	BHN
			C	Mn	P	S	SI	NI	Cr	Mo	Cu	V	Cb	N	KPSI CVN@	KPSI 1ST	% 2ND	% 3RD	AVG
BODY	BL	A105	0.29	0.69	0.011	0.028	0.27	0.170	0.120	0.000	0.000	0.000	0.000	0.000	71.43	50.86	33.0	58.1	187
																		0.0	
BODY	BK	A105	0.23	0.81	0.011	0.008	0.23	0.000	0.150	0.000	0.000	0.000	0.000	0.000	84.95	51.15	26.6	52.0	187
																		0.0	
YOKE	BW	A105	0.23	0.81	0.010	0.004	0.20	0.160	0.100	0.040	0.400	0.000	0.000	0.000	78.91	47.41	24.8	58.7	163
																		0.0	
YOKE	BE	A105	0.18	0.88	0.014	0.013	0.20	0.050	0.060	0.010	0.150	0.002	0.000	0.000	75.26	44.66	31.0	60.5	150
																		0.0	
YOKE	CL	A105	0.20	0.82	0.006	0.009	0.18	0.080	0.060	0.030	0.110	0.000	0.000	0.000	71.37	50.10	33.9	62.4	179
																		0.0	
YOKE	CL	A105	0.20	0.82	0.006	0.009	0.18	0.080	0.060	0.030	0.110	0.000	0.000	0.000	71.37	50.10	33.9	62.4	179
																		0.0	

George Soto

CERTIFIED BY:

QUALITY ASSURANCE
 ASEGURAMIENTO DE CALIDAD

CERTIFICADO POR: