



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:

1419/2002  
 25 JUN 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 STANDARDS:

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 - FLANGED, 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.: 68034  
 (CODIGO)

DESCRIPTION: 1.5" FIG. 9505 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 : 37433 ITEM : 20

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	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
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
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
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

*Jorge Soto*

CERTIFIED BY:

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 QUALITY ASSURANCE  
 ASEGURAMIENTO DE CALIDAD

CERTIFICADO POR:

FAC10-23 REV. "1"