



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:

1562/2002

(FECHA) DATE:

11 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 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.: 68038

(CODIGO)

DESCRIPTION: 2" 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 : 37005 ITEM : 24

| ITEM PARTE | HEAT No. COLADA | MATERIAL (ASTM) | CHEMICAL COMPOSITION (%) (COMPOSICION QUIMICA) | | | | | | | | | | | | MECH. TESTS (PROP. MECANICAS) | | | | |
|---------------|-----------------------|--------------------|---|------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|----------------------------------|-------------|----------|----------|-----|
| | | | CHEMICAL COMPOSITION (%) (COMPOSICION QUIMICA) | | | | | | | | | | | | 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 | BZ | A105 | 0.21 | 0.85 | 0.009 | 0.012 | 0.21 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 80.05 | 50.97 | 22.2 | 58.6 | 183 |
| BODY | BC | A105 | 0.18 | 0.88 | 0.014 | 0.009 | 0.25 | 0.128 | 0.111 | 0.024 | 0.223 | 0.004 | 0.000 | 0.000 | 74.68 | 44.52 | 29.2 | 59.8 | 149 |
| YUKE | 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 |
| YUKE | 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 |

George Soto

CERTIFIED BY:

QUALITY ASSURANCE

CERTIFICADO POR:

ASEGURAMIENTO DE CALIDAD

FAC10-23 REV. "1"