WALWORTH® Since 1842

*Industrial de Valvulas, S.A de C.V.*
*Av. de La Industria Lote 16 Fracc. Industrial El Trebol*
*Tepotzotlan, Estado de México C.P. 54600*

**(Numero) Number** V092R1117
**(Fecha) Date** 24/07/2009

# QUALITY ASSURANCE CERTIFICATE OF COMPLIANCE

**(ACCORDING TO EN10204 TYPE 3.1)**

**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 STANDARDS LAST EDITION:

(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 ULTIMA EDICIÓN.)

| | | | |
|---|---|---|---|
| API 598 | - VALVE INSPECTION AND TESTING | API 6D | - PIPELINE VALVES - GATE, PLUG, BALL AND CHECK |
| API 599 | - METAL PLUG VALVES - FLANGED, THREADED AND WELDING | API 600 | - STEEL GATE VALVES, FLANGED AND WELDING ENDS |
| ANSI B16-10 | - FACE TO FACE AND END TO END DIMENSIONS OF VALVES | ANSI B16-11 | - FORGED FITTINGS, SOCKET - WELDING AND THREADED |
| ANSI B16-34 | - VALVES - FLANGED, THREADED AND WELDING ENDS | API 602 | - COMPACT STEEL GATE VALVES - FLANGED, THREADED, WELDING AND EXTENDED - BODY ENDS |
| MSS-SP61 | - PRESSURE TESTING OF STEEL VALVES | | |

**Part No.** **AR101A08MAB830000M**
(Código)
**Description** **10" Fig. 5341 F UT WCB, API TRIM No.8 830000M**
Descripción **CAST STEEL SWING CHECK VALVE 150 PSI**
**(VALVULA RETENCIÓN TIPO COLUMPIO DE ACERO FUNDIDO 150 PSI)**

**VALVE WITH LOW EMISSION CONTROL (VALVULA SUMINISTRADA CON CONTROL DE EMISIONES FUGITIVAS A 50 PPM'S MAX )**

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

**MECHANICAL TESTS** (PROP. MECANICAS)

| ITEM (PARTE) | HEAT No. (COLADA) | MATERIAL (ASTM) | CHEMICAL COMPOSITION (%) / COMPOSICIÓN QUIMICA (%) | | | | | | | | | | | TENS | YIELD | ELG | RED | BHN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | C | Mn | P | S | Si | Ni | Cr | Mo | Cu | V | Cb | KPSI CVN@ | KPSI 1ST | % 2ND | % 3RD | AVG |
| **BODY** CUERPO | WH65161 | ASTM A-216/WCB | 0.196 | 0.934 | 0.028 | 0.015 | 0.438 | 0.010 | 0.016 | 0.024 | 0.017 | 0.003 | | 74.82 | 42.34 | 24 | 51 | 165 |
| | | | Normalizated to (Normalizado a) 930 °C | | | | Temper to (Temple a) 650 °C | | | | Cooled in air.(Cooled in air. (Enfr) | | | | | | | |
| **WEDGE** DISCO | WH30575 | ASTM A-216/WCB | 0.192 | 0.948 | 0.021 | 0.009 | 0.411 | 0.013 | 0.031 | 0.016 | 0.022 | 0.006 | | 73.80 | 45.67 | 28 | 50 | 169 |
| | | | Normalizated to (Normalizado a) 620 °C | | | | Temper to (Temple a) 650 °C | | | | Cooled in air.(Cooled in air. (Enfr) | | | | | | | |
| **COVER** TAPA | WH25155 | ASTM A-216/WCB | 0.188 | 0.939 | 0.033 | 0.014 | 0.459 | 0.016 | 0.017 | 0.005 | 0.015 | 0.001 | | 86.42 | 50.17 | 36 | 47 | 157 |
| | | | Normalizated to (Normalizado a) 930 °C | | | | Temper to (Temple a) 650 °C | | | | Cooled in air.(Cooled in air. (Enfr) | | | | | | | |

FAC10-21 REV "3"

CERTIFICADO POR:
ASEGURAMIENTO DE CALIDAD

**CERTIFIED BY :**
**QUALITY ASSURANCE**

**JESSICA GARCIA**