

# 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 PRABADO 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. AR031A12MAA7900000**  
 (Código) **3" Fig. 5341 F 3HF WCB, API TRIM No.12 7900000**  
**Description** **CAST STEEL SWING CHECK VALVE 150 CLASS**  
 Descripción **(VALVULA RETENCIÓN TIPO COLUMPIO DE ACERO FUNDIDO CLASE 150)**

MANUFACTURED TO MEET NACE MR-01-75-2003 REQUIREMENTS AND LOW FUGITIVE EMISSIONS CONTROL  
 (VALVULA SERVICIO NACE MR-01-75 \*Y CONTROL DE EMISIONES FUGITIVAS 50 PPM'S)


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

**MECHANICAL TESTS (PROP. MECANICAS)**

**CHEMICAL COMPOSITION (%) COMPOSICIÓN QUIMICA (%)**

| ITEM<br>(PARTE)       | HEAT No.<br>(COLADA) | MATERIAL<br>(ASTM) | CHEMICAL COMPOSITION (%)             |       |             |       |             |       |                             |       |             |       | TENS        | YIELD        | ELG         | RED      | BHN      |       |    |    |     |
|-----------------------|----------------------|--------------------|--------------------------------------|-------|-------------|-------|-------------|-------|-----------------------------|-------|-------------|-------|-------------|--------------|-------------|----------|----------|-------|----|----|-----|
|                       |                      |                    | C                                    | Mn    | P           | S     | Si          | Ni    | Cr                          | Mo    | Cu          | V     | Cb          | KPSI<br>CVN@ | KPSI<br>1ST | %<br>2ND | %<br>3RD | AVG   |    |    |     |
| <b>BODY</b><br>CUERPO | WH31703              | ASTM A-216/WCB     | 0.190                                | 0.900 | 0.027       | 0.015 | 0.431       | 0.048 | 0.056                       | 0.021 | 0.039       | 0.001 | 74.82       | 44.66        | 25          | 47       | 163      |       |    |    |     |
| <b>COVER</b><br>TAPA  | WH31647              | ASTM A-216/WCB     | Normalized to (Normalizado a) 930 °C |       | 0.215 0.950 |       | 0.027 0.016 |       | Temper to (Temple a) 650 °C |       | 0.471 0.036 |       | 0.039 0.014 |              | 0.034 0.001 |          | 74.97    | 46.40 | 23 | 49 | 170 |
| <b>WEDGE</b><br>DISCO | HD3250               | ASTM A-216/WCB     | Normalized to (Normalizado a) 930 °C |       | 0.190 0.910 |       | 0.016 0.018 |       | Temper to (Temple a) 650 °C |       | 0.530 0.078 |       | 0.121 0.039 |              | 0.041 0.004 |          | 74.39    | 47.85 | 26 | 48 | 172 |
|                       |                      |                    | Normalized to (Normalizado a) 920 °C |       |             |       |             |       | Temper to (Temple a) 650 °C |       |             |       |             |              |             |          |          |       |    |    |     |

**PLEASA ANAHUAC Y CIA. S.A. DE C.V.**  
**CONTROL DE CALIDAD**  
 FECHA 01 Mar 2010  
F460  
 FIRMA E. RUIZ

  
**JESSICA GARCIA**

CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD  
 CERTIFIED BY: QUALITY ASSURANCE