



Industrial de Valvulas, S.A. de C.V.
 Av. de La Industria Lote 16 Fracc. Industrial El Trebol
 Tepozotlan, Estado de Mexico C.P. 54600
 Telefono: (52 55) 5899 1700 Fax: (52 55) 5876 0156
 E-Mail: info@wahvorth.com.mx Web: www.wahvorthvalves.com

(Numero) Number
 (Fecha) Date

V112C1876
 30/09/2013

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 599 - METAL PLUG VALVES - FLANGED, THREADED AND WELDING
 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

API 6D - PIPELINE VALVES - GATE, PLUG, BALL AND CHECK
 API 600 - STEEL GATE VALVES, FLANGED AND WELDING ENDS
 ANSI B16-11 - FORGED FITTINGS, SOCKET - WELDING AND THREADED
 API 602 - COMPACT STEEL GATE VALVES - FLANGED, THREADED, WELDING AND EXTENDED - BODY ENDS

Part No. AC031A08MAB830000M
 (Código)

Description 3" Fig. 5202 F UT WCB, API TRIM No.8 830000

Descripción CAST STEEL GATE VALVE 150 CLASS
 (VALVULA COMPUERTA DE ACERO FUNDIDO CLASE 150)

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

| PRESSURE TEST (PRUEBAS DE PRESION) | SHELL (CASCO) | BACK (SEAT) | SIDE (LADO) | |
|---------------------------------------|------------------|----------------|----------------|----|
| | | | 1 | 2 |
| HYDROSTATIC (PSI) (HIDROSTATICA) | 450 | 450 | NA | NA |
| PNEUMATIC (PSI) (NEUMATICA) | | | 80 | 80 |

MECHANICAL TEST (PROP. MECANICAS)

CHEMICAL COMPOSITION (%)

COMPOSICIÓN QUIMICA (%)

| ITEM (PARTE) | HEAT No. (COLADA) | MATERIAL (ASTM) | CHEMICAL COMPOSITION (%) | | | | | | | | | | MECHANICAL TEST (PROP. MECANICAS) | | | | |
|------------------|----------------------|--------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------------------------|----------------------|----------------------|-----------------|-----------------|
| | | | C | Mn | P | S | Si | Ni | Cr | Mo | Cu | V | Cb | TENS KPSI CVN@ | YIELD KPSI 1ST | ELG % 2ND | RED % 3RD |
| BODY CUERPO | WH35800 | ASTM A-216/WCB | 0.213 | 0.918 | 0.028 | 0.010 | 0.446 | 0.015 | 0.033 | 0.001 | 0.032 | 0.005 | 81.64 | 51.48 | 29 | 58 | 162 |
| | | | Normalized (Normalizado a) 930 °C Temper to (Temple a) 650 °C Air Cooled. (Enfriado en aire.) | | | | | | | | | | | | | | |
| BONNET BONETE | WH35821 | ASTM A-216/WCB | 0.191 | 0.936 | 0.023 | 0.015 | 0.464 | 0.016 | 0.027 | 0.001 | 0.029 | 0.004 | 78.01 | 48.43 | 34 | 56 | 167 |
| | | | Normalized (Normalizado a) 930 °C Temper to (Temple a) 650 °C Air Cooled. (Enfriado en aire.) | | | | | | | | | | | | | | |
| WEDGE DISCO | WH36213 | ASTM A-216/WCB | 0.205 | 0.982 | 0.034 | 0.019 | 0.460 | 0.021 | 0.034 | 0.001 | 0.028 | 0.003 | 80.33 | 54.96 | 27 | 54 | 165 |
| | | | Normalized (Normalizado a) 930 °C Temper to (Temple a) 650 °C Air Cooled. (Enfriado en aire.) | | | | | | | | | | | | | | |

FAC10-21 REV 03

CERTIFICADO POR:
 ASEGURAMIENTO DE

CERTIFIED BY:
 QUALITY ASSURANCE

Yolanda Ponciano