

## 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.** AR031A08MAB830000M  
**Description** 3" Fig. 5341 F UT WCB, API TRIM No.8 830000  
 Descripción CAST STEEL SWING CHECK VALVE 150 CLASS  
 (VALVULA RETENCIÓN TIPO COLUMPIO DE ACERO FUNDIDO CLASE 150)

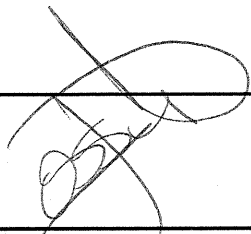
VALVE WITH LOW EMISSION CONTROL (50 PPM'S MAX.) (VALVULA SUMINISTRADA CON CONTROL DE BAJAS EMISIONES FUGITIVAS (50 PPM'S MAX.) )

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

#### MECHANICAL TESTS (PROP. MECANICAS)

#### CHEMICAL COMPOSITION (%)      COMPOSICIÓN QUIMICA (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	CHEMICAL COMPOSITION (%)										MECHANICAL TESTS (PROP. MECANICAS)							
			C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	TENS KPSI CVN@	YIELD KPSI 1ST	ELG % 2ND	RED % 3RD	BHN AVG		
BODY CUERPO	WH33615	ASTM A-216/WCB	0.205	0.908	0.026	0.013	0.399	0.034	0.030	0.004	0.024	0.001								
COVER TAPA	WH33868	ASTM A-216/WCB	Normalized to (Normalizado a) 930 °C      Temper to (Temple a) 650 °C      Cooled in air. (Enfriado en aire.)										75.69	46.11	31	56	164			
WEDGE DISCO	WH82039	ASTM A-217/CA15	0.206	0.999	0.036	0.014	0.520	0.037	0.039	0.008	0.032	0.001								
			Normalized to (Normalizado a) 930 °C      Temper to (Temple a) 650 °C      Cooled in air. (Enfriado en aire.)										75.55	46.26	24	49	167			
			0.112	0.700	0.021	0.015	0.413	0.083	12.510	0.014	0.023	0.005								
			Normalizado a (Normalized to) 970 °C      Temple a (Temper to) 630 °C      Enfriado en aire. (Cooled in air.)										95.56	73.81	29	43	290			



**Jessica García**

CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD      CERTIFIED BY: QUALITY ASSURANCE