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(Numero) Number  
 (Fecha) Date

V128R2208  
 05/03/2014

## 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 594 - CHECK VALVES FLANGED, LUG, WAFER AND BUTT WELDING

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. AR031A08MAB830000G  
 (Código)  
 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	NA	315	NA
PNEUMATIC (PSI) (NEUMATICA)			NA	NA

### MECHANICAL TEST (PROP. MECANICAS)

CHEMICAL COMPOSITION (%)													COMPOSICIÓN QUIMICA (%)					MECHANICAL TEST (PROP. MECANICAS)				
ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	TENS	YIELD	ELG	RED	BHN				
														KPSI CVN@	KPSI 1ST	% 2ND	% 3RD	AVG				
BODY CUERPO	H2717	ASTM A-216/WCB	0.218	0.982	0.034	0.020	0.372	0.039	0.052	0.018	0.063	0.001		78.01	45.68	42	50	165				
			Normalized (Normalizado a) 920 °C			Temper to (Temple a) 650 °C			Air Cooled. (Enfriado en aire.)													
COVER TAPA	H2819	ASTM A-216/WCB	0.238	0.874	0.026	0.027	0.423	0.036	0.065	0.009	0.059	0.001		78.01	42.20	41	63	165				
			Normalized (Normalizado a) 920 °C			Temper to (Temple a) 650 °C			Air Cooled. (Enfriado en aire.)													
WEDGE DISCO	H2435	ASTM A-216/WCB	0.230	0.690	0.032	0.020	0.434	0.034	0.038	0.020	0.040	0.001		75.69	46.11	37	64	159				
			Normalized (Normalizado a) 920 °C			Temper to (Temple a) 650 °C			Air Cooled. (Enfriado en aire.)													

CERTIFICADO POR:  
 ASEGURAMIENTO DE

CERTIFIED BY :  
 QUALITY ASSURANCE

  
 Yolanda Ponciano