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(Numero) Number  
 (Fecha) Date

V13EG01085  
 23/09/2013

## 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. **AG032A08MAB830000+**  
 (Código)  
 Description **3" Fig. 5281 F UT WCB, API TRIM No.8 830000**  
 Descripción **CAST STEEL GLOBE VALVE 300 CLASS**  
**(VALVULA GLOBO DE ACERO FUNDIDO CLASE 300)**  
 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)	1125	1125	815	N A
PNEUMATIC (PSI) (NEUMATICA)			80	N A

### MECHANICAL TEST (PROP. MECANICAS)

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

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	TENS	YIELD	ELG	RBD	BHN
														KPSI CVN@	KPSI 1ST	% 2ND	% 3RD	AVG
BODY CUERPO	HC2870	ASTM A-216/WCB	0.210	0.820	0.020	0.009	0.390	0.019	0.063	0.016	0.015	0.001		75.40	47.13	31	48	156
			Normalized (Normalizado a) 930 °C										Temper to (Temple a) 650 °C					
			Air Cooled. (Enfriado en aire.)															
BONNET BONETE	HC2980	ASTM A-216/WCB	0.200	0.880	0.017	0.008	0.400	0.009	0.069	0.025	0.018	0.003		73.95	45.68	27	49	153
			Normalized (Normalizado a) 920 °C										Temper to (Temple a) 650 °C					
			Air Cooled. (Enfriado en aire.)															
WEDGE DISCO	HC2807	ASTM A-216/WCB	0.200	0.850	0.027	0.011	0.400	0.038	0.142	0.026	0.041	0.002		73.23	44.95	30	53	153
			Normalized (Normalizado a) 930 °C										Temper to (Temple a) 650 °C					
			Air Cooled. (Enfriado en aire.)															

CERTIFICADO POR:  
 ASEGURAMIENTO DE

CERTIFIED BY:  
 QUALITY ASSURANCE

Yolanda Ponciano