



Industrial de Valvulas, S.A de C.V.  
 Av. de La Industria Lote 16 Fracc. Industrial El Trebol  
 Tepic, Jalisco, Estado de Mexico C.P. 54600

(Numero) Number V08C21688  
 (Fecha) Date 03/09/2008

## 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:  
 ESTANDARES ULTIMA EDICION )  
 (CERTIFICAMOS QUE EL PRODUCTO LISTADO ABAJO FUE DISEÑADO, FABRICADO Y PRUBADO DE ACUERDO CON NUESTRO SISTEMA DE CALIDAD Y CON REQUISITOS ESTABLECIDOS EN UNO O MAS DE LOS SIGUIENTES ESTANDARES ULTIMA EDICION )

- VALVE INSPECTION AND TESTING
- METAL PLUG VALVES - FLANGED, THREADED AND WELDING
- FACE TO FACE AND END TO END DIMENSIONS OF VALVES
- VALVES - FLANGED, THREADED AND WELDING ENDS
- PRESSURE TESTING OF STEEL VALVES
- PIPELINE VALVES - GATE, PLUG, BALL ANF CHECK
- STEEL GATE VALVES, FLANGED AND WELDING ENDS
- FORGED FITTINGS, SOCKET - WELDING AND THREADED
- COMPACT STEEL GATE VALVES - FLANGED, THREADED, WELDING AND EXTENDED - BODY ENDS

Part No. **AC031A08MAA8300000**

(Codigo) **3" Fig. 5202 F UT WCB, API TRIM No.8 83000000**

Description **CAST STEEL GATE VALVE (VALVULA COMPUERTA DE ACERO FUNDIDO)**

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

TEST TYPE	VALUE	REQUIREMENT	STATUS
PRESSURE TEST (PRUEBAS DE PRESION)	450	450	N A
HYDROSTATIC (PSI) (HIDROSTATICA)	450	450	N A
PNEUMATIC (PSI) (NEUMATICA)	80	80	80

### CHEMICAL COMPOSITION (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	TENS	YIELD	ELG	RED	BHN
BONNET BONEITE	WH21057	ASTM A-216/WCB	0.210	0.895	0.029	0.024	0.451	0.042	0.059	0.005	0.020	0.001	0.001	75.40	52.05	30	46	160
BODY CUERRO	WH5065	ASTM A-216/WCB	0.193	0.924	0.024	0.027	0.464	0.030	0.050	0.020	0.030	0.001	0.001	75.40	45.82	26	48	166
WEDGE DISCO	WHR1466	ASTM A-217/CA15	0.126	0.865	0.026	0.024	0.552	0.085	12.740	0.015	0.029	0.001	0.001	100.34	72.21	33	50	300

### COMPOSICIÓN QUÍMICA (%)

### MECHANICAL TESTS (PROP. MECANICAS)

JESSICA GARCIA