



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: **V08R4146**  
 (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)

- API 598
- API 599
- ANSI B16-10
- ANSI B16-34
- MSS-SP61
- 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

- API 6D
- API 600
- ANSI B16-11
- API 602
- PIPELINE VALVES - GATE, PLUG, BALL AND 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. **AR032A08MAA8300000**

(Codigo) **3" Fig. 5344 F UT WCB, API TRIM No.8 8300000**

Descripcion **CAST STEEL SWING CHECK VALVE (VALVULA RETENCION TIPO COLUMPIO DE ACERO FUNDIDO)**

VALVE WITH LOW EMISSION CONTROL (VALVULA SUMINISTRADA CON CONTROL DE EMISIONES FUGITIVAS A 60 PPM'S MAX)

PRESSURE TEST (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK (SEAL)	SIDE (LADO)
HYDROSTATIC (PSI) (HIDROSTATICA)	1125	N A	815
PNEUMATIC (PSI) (NEUMATICA)		N A	N A

## CHEMICAL COMPOSITION (%)

ITEM (PARTES)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	TENS (KPSI) (CARGA)	YIELD (KPSI) (1ST)	ELG (%) (2ND)	RED (%) (3RD)	BHN (AVG)
BODY CUERRO	XS126	ASTM A-216/WCB	0.200	0.850	0.024	0.023	0.350	0.061	0.100	0.022				76.27	48.57	24	41	167
WEDGE DISCO	WH81119	ASTM A-217/CA15	0.136	0.648	0.032	0.029	Tempor to (Temple a) 920 °C	0.639	0.115	13.130	0.027	0.010	0.001	102.23	75.40	24	41	287
COVER TAPA	WH12905	ASTM A-216/WCB	0.193	0.854	0.027	0.015	Tempor a (Temple to) 970 °C	0.417	0.042	0.071	0.019	0.011	0.006	75.98	46.11	29	49	166

## MECHANICAL TESTS (PROP. MECANICAS)

Normalizado to (Normalizado a) 920 °C  
 Temper to (Temple a) 650 °C  
 Temper a (Temple to) 630 °C  
 Normalizado to (Normalizado a) 920 °C  
 Temper to (Temple a) 650 °C  
 Cooled in air (Cooled in air) (Enfri)

CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD  
 CERTIFIED BY: QUALITY ASSURANCE  
**JESSICA GARCIA**