



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 V08R2892
 (Fecha) Date 11/08/2008

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:
 (CERTIFICAMOS QUE EL PRODUCTO LISTADO ABAJO FUE DISEÑADO, FABRICADO Y PRABADO O PROBADO 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. **AR031A12MAA**

(Codigo) **3" Fig. 5341 F 3HF WCB, API TRIM No.12 8300000**

Description **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 50 PPM'S MAX)

TEST TYPE	TEST VALUE	TEST TYPE	TEST VALUE	TEST TYPE	TEST VALUE
PRESSURE TEST (PRUEBAS DE PRESTION)	SHELL (CASCO)	BACK (SEAT)	SIDE (LADO)		
HYDROSTATIC (PSD) (HIDROSTATICA)	450	N A	1	2	N A
PNEUMATIC (PSD) (PNEUMATICA)			N A		N A

CHEMICAL COMPOSITION (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	TENS (KPSI CVM)	YIELD (KPSI 1ST)	ELG (%) 2ND	RED (%) 3RD	BHN AVG	
BODY CUERPO	WH25356	ASTM A-216/WCB	0.191	0.960	0.020	0.014	0.431	0.023	0.027	0.013	0.015	0.001		74.67	43.93	28	45	165	
WEDGE DISCO	HD3250	ASTM A-216/WCB	Normalized to (Normalizado a) 930 °C	0.190	0.910	0.016	0.018	0.530	0.078	0.121	0.039	0.041	0.004	74.39	47.85	26	48	172	
COVER TAPA	WH25407	ASTM A-216/WCB	Normalized to (Normalizado a) 920 °C	0.199	0.908	0.039	0.025	0.432	0.023	0.043	0.009	0.016	0.005	75.11	44.08	24	52	156	
			Normalized to (Normalizado a) 930 °C					Temper to (Temple a) 650 °C											

COMPOSICION QUIMICA (%)

MECHANICAL TESTS (PROP. MECANICAS)

FACIO-21 REV "3"

CERTIFICADO POR:
 ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:
 QUALITY ASSURANCE

JESSICA GARCIA