



WALWORTH
Since 1842

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
(Fecha) Date

V07R5338
28/09/2007

QUALITY ASSURANCE CERTIFICATE OF COMPLIANCE

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:
(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.)

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 ANF 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. **AR0061A12MAA**

(Codigo) **6" Fig. 5341 F 3HF WCB, API TRIM No.12 8300000**
Description **CAST STEEL SWING CHECK VALVE (VALVULA RETENCION TIPO COLUMPIO DE ACERO FUNDIDO)**
Description **VALVE WITH LOW EMISSION CONTROL (VALVULA SUMINISTRADA CON CONTROL DE EMISIONES FUGITIVAS A 50 PPM'S MAX)**

CHEMICAL COMPOSITION (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Min	P	S	Si	Ni	Cr	Mo	Cu	V	W	TENS (KSI) (CVN/d)	YIELD (KSI) (IST)	ELG (%) (2ND)	RED (%) (3RD)	BHN (AVG)
BODY	XS393	ASTM A-216/WCB	0.180	0.800	0.031	0.026	0.390	0.080	0.200	0.034				75.54	45.24	25	41	161
CUERRO			Normalized to (Normalizado a) 920 °C															
WEDGE DISCO	HD3246	ASTM A-216/WCB	0.190	0.830	0.014	0.017	0.570	0.093	0.081	0.033	0.047	0.002		76.27	46.69	29	44	171
			Normalized to (Normalizado a) 920 °C															
COVER TAPA	WH11253	ASTM A-216/WCB	0.194	0.906	0.029	0.013	0.485	0.008	0.051	0.009	0.030	0.006	0.000	74.82	46.11	26	46	163
			Cooled in air.(Cooled in air. (Enfr) Cooled in air.(Cooled in air. (Enfr)															

TEST	SHELL (CASCO)	BACK (SEAT)	SIDE (LADO)
PRESSURE TEST (PRUEBAS DE PRESION)			
HYDROSTATIC (PSD) (HIDROSTATICA)	450	N A	315
PNEUMATIC (PSD) (NEUMATICA)			

MECHANICAL TESTS (PROP. MECANICAS)