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

(Numero) Number
(Fecha) Date

V07C36001
10/12/2007

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 PRUBADO 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 6D | - PIPELINE VALVES - GATE, PLUG, BALL ANF CHECK |
| API 599 | - METAL PLUG VALVES - FLANGED, THREADED AND WELDING | API 600 | - STEEL GATE VALVES, FLANGED AND WELDING ENDS |
| ANSI B16-10 | - FACE TO FACE AND END TO END DIMENSIONS OF VALVES | ANSI B16-11 | - FORGED FITTINGS, SOCKET - WELDING AND THREADED |
| ANSI B16-34 | - VALVES - FLANGED, THREADED AND WELDING ENDS | API 602 | - COMPACT STEEL GATE VALVES - FLANGED, THREADED, WELDING AND EXTENDED - BODY ENDS |
| MSS-SP61 | - PRESSURE TESTING OF STEEL VALVES | | |

Part No. AC031A08MAA
(Codigo)
3" Fig. 5202 F UT WCB, API TRIM No.8 7900000
(Description)
CAST STEEL GATE VALVE
(VALVULA COMPUERTA DE ACERO FUNDIDO)
MANUFACTURED TO MEET NACE MR-01-75-2003 REQUIREMENTS *TS AND LOW FUGITIVE EMISSIONS CONTROL.
(VALVULA SERVICIO NACE MR-01-75 *Y CONTROL DE EMISIONES FUGITIVAS 50 PPM'S)

TEST	PSI	PSI	PSI	PSI	PSI
PRESSURE TEST (PRUBAS DE PRESION)					
HYDROSTATIC (PSD)	450	450	N/A	N/A	
PNEUMATIC (PSD)			80	80	

CHEMICAL COMPOSITION (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W
BONNET BONETE	XS414	ASTM A-216/WCB	0.250	0.700	0.027	0.027	0.400	0.080	0.150	0.028			
BODY CUERPO	WH19061	ASTM A-216/WCB	0.192	0.920	0.020	0.023	0.494	0.055	0.014	0.017	0.017	0.001	
WEDGE DISCO	WH81475	ASTM A-217/CA15	0.136	0.649	0.026	0.009	0.510	0.088	13.190	0.017	0.021	0.026	

COMPOSICIÓN QUÍMICA (%)

MECHANICAL TESTS (PROP. MECANICAS)

TENS	YIELD	ELG	RED	BHN
KSI	KSI	%	%	AVG
CVN@	1ST	2ND	3RD	
76.56	47.85	25	41	158
85.12	53.51	28	48	155
102.81	70.18	21	43	300

FAC10-21 REV "2"

CERTIFICADO POR:
ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:
QUALITY ASSURANCE