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Industrial de Valvulas, S.A de C.V.
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Tepic, Jalisco, Estado de Mexico C.P. 54600

(Numero) Number
(Fecha) Date

V07C25643
11/12/2007

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 PROBADO 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. **AC041A08MAA**

(Código) **4" Fig. 5202 F UT WCB, API TRIM No.8 8300000**

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)

PRESSURE TEST (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK (SEAT)	SIDE (LADO)
HYDROSTATIC (PSI) (HIDROSTATICA)	450	450	N A N A
PNEUMATIC (PSI) (NEUMATICA)			80 80

MECHANICAL TESTS (PROP. MECANICAS)

CHEMICAL COMPOSITION (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	COMPOSICION QUIMICA (%)															
			C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	TENS	YIELD	ELG	RED	BHN
BONNET BONETE	WH21024	ASTM A-216/WCB	0.211	0.964	0.025	0.015	0.428	0.071	0.050	0.027	0.029	0.006		74.68	49.01	33	58	155
BODY CUERPO	WH20679	ASTM A-216/WCB	Normalized to (Normalizado a) 930 °C 0.196	0.960	0.024	0.019	Temper to (Temple a) 650 °C 0.450	0.047	0.042	0.015	0.005	0.001	Cooled in air (Coolado in air) (Enfr)	75.40	44.37	32	56	157
WEDGE DISCO	WH81255	ASTM A-217/CA15	Normalized to (Normalizado a) 930 °C 0.141	0.787	0.018	0.001	Temper to (Temple a) 650 °C 0.363	0.069	12.800	0.010	0.027	0.001	Cooled in air (Coolado in air) (Enfr)	96.71	73.37	35	47	300
			Normalized a (Normalizado to) 970 °C										Enfriado en aire (Enfriado en aire) (C)					

FACI0-21 REV "2"

CERTIFICADO POR:
ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:
QUALITY ASSURANCE