



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

(Numero) Number **V07M4714**
 (Fecha) Date **09/10/2007**

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.)

- 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. **DMA0201A10MAA**
 (Codigo)
2" Fig. 1749 F WCB, 0000000
 Description **CAST STEEL PLUG VALVE**
 (VALVULA MACHO DE ACERO FUNDIDO)

PRESSURE TEST (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK (SEAL)	SIDE (LADO)
HYDROSTATIC (PSI) (HIDROSTATICA)	450	NA	315
PNEUMATIC (PSI) (NEUMATICA)			80

MECHANICAL TESTS (PROP. MECANICAS)

CHEMICAL COMPOSITION (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	TENS KPSI C/INch	YIELD KPSI 1ST	ELG %	RED %	BHN AVG
BONNET BONNETE	632-06	ASTM A-515 GR 70	0.232	1.080	0.015	0.006	0.280	0.030	0.020	0.007	0.020	0.003		52.37	77.77	27		
BODY CUERPO	310769	ASTM A-216/WCB	0.230	0.880	0.014	0.012	0.600	0.030	0.230	0.001	0.000	0.000		81.15	42.88	29	43	170
WEDGE DISCO	11413	ASTM A-395	3.520	0.000	0.013	0.000	2.400	0.000	0.000	0.000	0.000	0.000		63.15	43.78	20	0	163

CERTIFIED BY:
 QUALITY ASSURANCE

Sandra Ruiz