



Industrial de Válvulas, S.A. de C.V.

Industria de 16 S/N Fracc. Industrial el Trébol de Tepozollián, Estado de México, México C.P. 54610

CERTIFICATE OF MATERIALS & TEST REPORT (CMTR)
(CERTIFICADO DE CALIDAD DE MATERIALES Y REPORTE DE PRUEBAS CMTR)
ACCORDING TO EN 10204 TYPE 3.1

No. código interno (Product Code Nr.): **EC040ADE1MR21BY** No. Serie (Serial Number): **16C4896**
 Fecha (Date): **September 26, 2016** No. De Tag (Tag Number): _____
 Clientes (Customer): _____ No Pedido del Cliente (Customer PO Nr.): _____
 Partida (Customer Item): _____ Pedido Interno No. (Walworth Sales Nr.): _____ Partida (Item): _____

Linea de producto (Product line):	Cast Iron	Extremos (Ends):	FF
Tipo de válvula (Type of valve):	Gate	Cuerpo (Shell):	GRAY IRON
Diámetro (Nominal diameter):	4	Interiores (Trim):	#E1 (BCE)
Presión clase (Pressure class):	125	Figura No (Figure Nr.):	FIG W726

COMPOSICION QUIMICA EN % (CHEMICAL COMPOSITION %)

Parte (Component)	Material (Material)	Colada (Heat)	% P	% S	%	%	%	%	%	%	%	%	%	%	%	%	%
BONETE (BONNET)	ASTM_A_126_GR_B	C57B	0.044	0.063	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CUERPO (BODY)	ASTM_A_126_GR_B	C572	0.061	0.063	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DISCO 1 (DISC 1)	ASTM_A_126_GR_B	C57E	0.057	0.059	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

PROPIEDADES MECANICAS (MECHANICAL TESTING)

Parte (Component)	Colada (Heat)	Condición de TT Normalizado & revenido Heat Treatment condition (Normalized & tempered)	Cedencia (Yield strength) (Kpsi)	Tensión (Tensile strength) (Kpsi)	Alar. En 2" (% min)	Reduccion de area (% min)	Dureza (Hardness) (Bhn)			Prueba Impacto (Impact Test) (Joules)			
							1st	2nd	3rd	1st	2nd	3rd	AVG
BONETE (BONNET)	C57B	NO APLICA	0.0000	41.7600	0	0	0	0	0	0	0	0	0
CUERPO (BODY)	C572	NO APLICA	0.0000	41.3250	0	0	0	0	0	0	0	0	0
DISCO 1 (DISC 1)	C57E	NO APLICA	0.0000	41.0350	0	0	0	0	0	0	0	0	0

PRUEBAS DE PRESIÓN DE ACUERDO CON MSS SP 70 (PRESSURE TEST IN ACCORDANCE WITH MSS SP 70)

TIPO DE PRUEBA (Type of test)	PRESION (Pressure) (Psi)	TIEMPO (Duration) (min)	RESULTADO (Result)	TIPO DE PRUEBA (Type of test)		RESULTADO (Result)
				RESULTADO (Result)	TIPO DE PRUEBA (Type of test)	
HIDROSTATICA DE CASCO (HYDROSTATIC SHELL)	350	0.5 min	ACEPTADO (ACCEPTED)	ACEPTADO (ACCEPTED)		
PRUEBA HIDROSTATICA SELLO 1 (HIGH PRESSURE CLOSURE SIDE 1)	200	0.5 min	ACEPTADO (ACCEPTED)	ACEPTADO (ACCEPTED)		
PRUEBA HIDROSTATICA SELLO 2 (HIGH PRESSURE CLOSURE SIDE 2)	200	0.5 min	ACEPTADO (ACCEPTED)	ACEPTADO (ACCEPTED)		



Certificamos que este producto ha sido diseñado, fabricado y probado de acuerdo con nuestro sistema de administración de calidad y con los requisitos establecidos en una o más de las siguientes normas en su última edición. (We hereby certify this product has been designed, manufactured and tested according to our quality management system and requirements stated in one or more of the following standards on their latest edition).

API 609 METAL PLUG VALVES - FLANGED, THREADED AND WELDING
 API 607 PRESSURE VALVE QUALIFICATION PROCEDURE
 API 605 PRESSURE VALVE QUALIFICATION PROCEDURE
 API 604 TYPE TESTING OF IRISING STEEL VALVES EQUIPPED WITH ORGANOPLASTIC PACKING FOR FLUGITIVE EMISSIONS
 ANSI B16-10 FACE TO FACE AND END TO END DIMENSIONS OF VALVES
 ANSI B16-34 FLANGED END CONNECTIONS FOR VALVES
 ASME B1.3.4 MATERIAL SPECIFICATION FOR WELDING AND THERMAL STRESSING
 ASME B1.3.5 MATERIAL SPECIFICATION FOR WELDING AND THERMAL STRESSING
 ASME B1.3.6 MATERIAL SPECIFICATION FOR WELDING AND THERMAL STRESSING
 ASME B1.3.7 MATERIAL SPECIFICATION FOR WELDING AND THERMAL STRESSING
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Quality Assurance Department
 Yolanda Ponciano Montoya
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