



Industrial de Válvulas, S.A. de C.V.

Industria Ite 16 S/N Fracc. Industrial el Trébol de Tepetzotlán, 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.): **ER080ADE1MRN1BY** No. Serie (Serial Number): **16R2726**
 Fecha (Date): **October 6, 2016** No. De Tag (Tag Number): _____
 Clientes (Customer): **PLESA ANAHUAC Y CIAS, S.A. DE C.V.** No. Pedido del Cliente (Customer PO Nr.): **24310**
 Partida (Customer Item): **9** Pedido Interno No (Walworth Sales Nr.): **D000060612** Partida (Item): **19**

Línea de producto (Product line): **Cast Iron** Extremos (Ends): **FF** Operación (Operation): **N/A**
 Tipo de válvula (Type of valve): **Check Type Swing** Cuerpo (Shell): **GRAY IRON** Otros (Other requirements): _____
 Diámetro (Nominal diameter): **8** Interiores (Trim): **#E1 (BCE)**
 Presión clase (Pressure class): **125** Figura No. (Figure Nr.): **FIG W928**

COMPOSICION QUIMICA EN % (CHEMICAL COMPOSITION %)

Parte (Component)	Material (Material)	Colada (Heat)	% P	% S	%	%	%	%	%	%	%	%	%	%	%	%	%
CUERPO (BODY)	ASTM_A_126_GR_B	C66Y	0.088	0.052	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	C4YV	0.310	0.110	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
TAPA 1 (COVER 1)	ASTM_A_126_GR_B	C66Y	0.088	0.052	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" (Elong. In 2") (% min)	Reduccion de area (Reduction of area) (% min)	Dureza (Hardness) (Bhn) 1st 2nd	Prueba Impacto (Impact Test) (Joules) 1st 2nd 3rd AVG
CUERPO (BODY)	C66Y	NO APLICA	0.0000	38.4100	0	0	0 0	0 0 0
DISCO 1 (DISC 1)	C4YV	NO APLICA	0.0000	38.5400	0	0	0 0	0 0 0
TAPA 1 (COVER 1)	C66Y	NO APLICA	0.0000	38.4100	0	0	0 0	0 0 0

PRUEBAS DE PRESIÓN DE ACUERDO CON MSS SP 71 (PRESSURE TEST IN ACCORDANCE WITH MSS SP 71)

TIPO DE PRUEBA (Type of test)	PRESION (Pressure) (Psi)	TIEMPO (Duration) (min)	RESULTADO (Result)	TIPO DE PRUEBA (Type of test)	RESULTADO (Result)
HIESTRATICA DE CASCO (HYDROSTATIC SHELL)	350	0.5 min	ACEPTADO (ACCEPTED)		
PRUEBA HIESTRATICA SELLO 1 (HIGH PRESSURE CLOSURE SIDE 1)	200	0.5 min	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 600 FORGED STEEL VALVES AND WELDING
 API 605 STEEL VALVE QUALIFICATION PROCEDURE
 API 607 STEEL GLOBE VALVES-FLANGED AND BUTT-WELDING ENDS; BOLTED BONNETS
 ANSI B16.1 FORGED STEEL VALVES AND WELDING
 ANSI B16.3 FORGED STEEL GATE VALVES AND WELDING
 ANSI B16.4 FORGED STEEL GATE VALVES AND WELDING
 ANSI B16.5 FORGED STEEL GATE VALVES AND WELDING
 ANSI B16.6 FORGED STEEL GATE VALVES AND WELDING
 ANSI B16.7 FORGED STEEL GATE VALVES AND WELDING
 ANSI B16.8 FORGED STEEL GATE VALVES AND WELDING
 ANSI B16.9 FORGED STEEL GATE VALVES AND WELDING
 ANSI B16.10 FORGED STEEL GATE VALVES AND WELDING
 ANSI B16.11 FORGED FITTINGS, SOCKET-WELDING AND THREADED
 ANSIB16.12 FORGED FITTINGS, SOCKET-WELDING AND THREADED
 ANSIB16.13 FORGED FITTINGS, SOCKET-WELDING AND THREADED
 ANSIB16.14 FORGED FITTINGS, SOCKET-WELDING AND THREADED
 ANSIB16.15 FORGED FITTINGS, SOCKET-WELDING AND THREADED
 ANSIB16.16 FORGED FITTINGS, SOCKET-WELDING AND THREADED
 ANSIB16.17 FORGED FITTINGS, SOCKET-WELDING AND THREADED
 ANSIB16.18 FORGED FITTINGS, SOCKET-WELDING AND THREADED
 ANSIB16.19 FORGED FITTINGS, SOCKET-WELDING AND THREADED
 ANSIB16.20 FORGED FITTINGS, SOCKET-WELDING AND THREADED
 MSS-SP61 PRESSURE TESTING OF STEEL VALVES

Quality Assurance Department
 Yolanda Ponciano Montoya
 FAC-24 Rev. Original.