



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.): EE025ADE1MR21BY

No. Serie (Serial Number): 16C3998

Fecha (Date): April 27, 2016

No. De Tag (Tag Number):

Cientes (Customer): PLESA ANAHUAC Y CIAS, S.A DE C.V.

No Pedido del Cliente (Customer PO Nr.): 22817

Partida (Customer Item): 20 Pedido Interno No (Walworth Sales Nr.): D000060182

Partida (Item): 20

Table with 4 columns: Linea de producto (Product line), Tipo de válvula (Type of valve), Diámetro (Nominal diameter), Presión clase (Pressure class), Extremos (Ends), Cuerpo (Shell), Interiores (Trim), Figura No (Figure Nr.), Operación (Operation), Otros (Other requirements).

COMPOSICION QUIMICA EN % (CHEMICAL COMPOSITION %)

Table with 18 columns: Parte (Component), Material (Material), Colada (Heat), and 15 columns for chemical composition percentages.

PROPIEDADES MECANICAS (MECHANICAL TESTING)

Table with 10 columns: 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.

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

Table with 6 columns: TIPO DE PRUEBA (Type of test), PRESION (Pressure) (Psi), TIEMPO (Duration) (min), RESULTADO (Result), TIPO DE PRUEBA (Type of test), RESULTADO (Result).

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).

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DESIGN IN ACCORDANCE WITH MSS SP 70 (IRON GATE NOT RISING STEM (FIXED STEM)) API 609 METAL PLUG VALVES - FLANGED, THREADED AND WELDING API 601 PROCESS VALVE QUALIFICATION PROCEDURE API 623 STEEL GLOBE VALVES - FLANGED AND BUTT WELDING ENDS, BOLTED BONNETS API 624 TYPE TESTING OF RISING STEM VALVES EQUIPPED WITH GRAPHITE PACKING FOR FUGITIVE EMISSIONS ANSI B16-10 FACE TO FACE AND END TO END DIMENSIONS OF VALVES ANSI B16-11 FORGED FITTINGS, SOCKET - WELDING AND THREADED ANSIBLANCE MR0175150 15156-1 MATERIALS FOR USE IN H2S-CONTAINING ENVIRONMENTS IN OIL AND GAS PRODUCTION NACE MR010 MATERIAL RESISTANT TO SULFIDE STRESS CRACKING IN CORROSIVE PETROLEUM ENVIRONMENT MSS-SP61 PRESSURE TESTING OF STEEL VALVES

Quality Assurance Department Jessica Garcia Perez

FAC-24 Rev. Original.