



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.): AC060BA08MA2A1BG

No. Serie (Serial Number): V148C3260

Fecha (Date): April 20, 2016

No. De Tag (Tag Number):

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

No Pedido del Cliente (Customer PO Nr.): 23389

Partida (Customer Item): 4 Pedido Interno No (Walworth Sales Nr.): D000060238

Partida (Item): 4

Table with product details: Linea de producto (CAST STEEL), Tipo de válvula (GATE OS & Y), Diámetro (6), Presión clase (150), Extremos (RAISED FACE), Cuerpo (WCB), Interiores (#08 UT), Figura No (FIG 5202), Operación (HANDWHEEL), Otros (Other requirements)

COMPOSICION QUIMICA EN % (CHEMICAL COMPOSITION %)

Table with 19 columns: Parte (Component), Material (Material), Colada (Heat), and 16 columns for chemical composition percentages (C, Mn, P, S, Si, Ni, Cr, Mo, Cu, V, and 12 others).

PROPIEDADES MECANICAS (MECHANICAL TESTING)

Table with 10 columns: Parte (Component), Colada (Heat), Condición de TT Normalizado & revenido, Cedencia (Yield strength), Tensión (Tensile strength), Alar. En 2" (Elong. In 2"), Reduccion de area (Reduction of area), Dureza (Hardness), and Prueba Impacto (Impact Test).

PRUEBAS DE PRESIÓN DE ACUERDO CON API 598 (PRESSURE TEST IN ACCORDANCE WITH API 598)

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

DESIGN IN ACCORDANCE WITH MSS SP 70 (IRON GATE (ISA Y))
API 609 METAL PLUG VALVES- FLANGED, THREADED AND WELDING
API 681 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
ANSI/NACE MR0175/ISO 15156-1 MATERIALS FOR USE IN H2S-CONTAINING ENVIRONMENTS IN OIL AND GAS PRODUCTION
NACE MR0103 MATERIAL RESISTANT TO SULFIDE STRESS CRACKING IN CORROSIIVE PETROLEUM ENVIRONMENT
MSS-SP61 PRESSURE TESTING OF STEEL VALVES

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Quality Assurance Department
Jessica Garcia Perez
FAC-24 Rev. Original.