



Industrial de Válvulas, S.A. de C.V.

Industria Ite 16 S/N Fracc. Industrial el Trébol de Tepotzotlán, 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.): BG010GA08AA2SBA1BG

No. Lote (Batch Number): AA00063129

Fecha (Date): May 26, 2016

No. De Tag (Tag Number): N/A

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

No Pedido del Cliente (Customer PO Nr.): 23573

Partida (Customer Item): 2 Pedido Interno No (Walworth Sales Nr.): D000060299

Cantidad(Qty): 1 Partida (Item): 2

Table with product details: Linea de producto (FORGED STEEL), Tipo de válvula (GLOBE), Diámetro (1), Presión clase (300), Extremos (RAISED FACE), Cuerpo (A105N), Interiores (#08 UT), Figura No (FIG 5630), Operación (HANDWHEEL), Otros (Other requirements).

COMPOSICION QUIMICA EN % (CHEMICAL COMPOSITION %)

Table with 19 columns for chemical composition: Parte (Component), Material (Material), Colada (Heat), % C, % Mn, % P, % S, % Si, % Ni, % Cr, % Mo, % Cu, % V, and 16 additional % columns. Rows include CUERPO (BODY) and YUGO.

PROPIEDADES MECANICAS (MECHANICAL TESTING)

Table with mechanical properties: 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). Rows include CUERPO (BODY) and YUGO.

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

Table with pressure test results: TIPO DE PRUEBA (Type of test), PRESION (Pressure), TIEMPO (Duration), RESULTADO (Result). Rows include HIDROSTATICA DE CASCO, HIDROSTATICA DE CASQUILLO, PRUEBA HIDROSTATICA SELLO 1, and PRUEBA NEUMATICA SELLO 1.

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 API 600 (FORGED STEEL & STAINLESS STEEL GATE)
API 599 METAL PLUG VALVES - FLANGED, THREADED AND WELDING
API 591 PROCESS VALVE QUALIFICATION PROCEDURE
API 602 STEEL GLOBE VALVE - FLANGED AND BUTT WELDING ENDS, BOLTED BONNETS
API 604 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 HIGH-CORROSION ENVIRONMENTS IN OIL AND GAS PRODUCTION
NACE MR0175 MATERIAL RESISTANT TO SULFIDE STRESS CRACKING IN CORROSIVE PETROLEUM ENVIRONMENT
MS-0201 PRESSURE TESTING OF STEEL VALVES

Handwritten signature of Yolanda Ponciano Montoya

Quality Assurance Department
Yolanda Ponciano Montoya