



Industrial de Válvulas, S.A. de C.V.

Industria lte 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.): ER030ADE1MRN1BY

No. Serie (Serial Number): 16R960

Fecha (Date): May 10, 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): 25 Pedido Interno No (Walworth Sales Nr.): D000060182

Partida (Item): 25

Table with product details: Linea de producto (CAST IRON), Tipo de válvula (IRON SWING CHECK), Diámetro (3), Presión clase (125), Extremos (FLAT FACE (FF)), Cuerpo (GRAY IRON), Interiores (#E1 (BCE)), Figura No (FIG W928), Operación (N/A), 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 (P, S, etc.).

PROPIEDADES MECANICAS (MECHANICAL TESTING)

Table with 8 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 MSS SP 71 (PRESSURE TEST IN ACCORDANCE WITH MSS SP 71)

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).

Handwritten signature of Yolanda Ponciano Montoya

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

DESIGN IN ACCORDANCE WITH MSS SP 71 (IRON SWING CHECK)
API 609 METAL PLUG VALVES- FLANGED, THREADED AND WELDING
API 581 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 MR010 MATERIAL RESISTANT TO SULFIDE STRESS CRACKING IN CORROSIVE PETROLEUM ENVIRONMENT
MSS-SP61 PRESSURE TESTING OF STEEL VALVES