

TECHNICAL DATA SHEET

According to Good Manufacturing Practice (CGMP) standards

GRADE: MPE045
DESCRIPTION: PES MEMBRANE FILTERS
DATE: MARCH 2016

This document is to verify that the designated product has been manufactured in conformance with applicable Current Good Manufacturing Practice (cGMP) standards.

The quality control data given in this document represent the quality of the released lot. These values are the basis for the official release of this material. The Quality Department for quality control of filters has measured the values and assures that they are within the limits that are established in the current specification for this material. The values stated do not represent any internal or external specification for this particular material. This product has passed external-house tests and thus meets Chmlab Group stringent quality control standards. The following is checked on a regular basis:

Membrane Filter Characterization

PACKAGING: Boxes of 25 units / 100 units
FORMAT: Circles (Ø mm): 13, 25, 47, 50, 90, 142. Other sizes available under request

TECHNICAL SPECIFICATIONS:

MembranePolytetrafluoroethylene (PES)
Pore size0.45 µm
Wettability.....Hydrophilic
Bubble point.....35 psi
Flow rate for water 35 ml/min [cm² at 1 bar (100kPa) differential pressure]
Thickness..... 110-140 µm
Sterilization.....By autoclaving at 121 °C, with γ-radiation 25 KGray or EO
Extractables.....<2%

Other Specifications

Properties	Made entirely from polyethersulfone Hydrophilic Very low non-specific adsorption Low drug and protein binding, Low extractables
Applications	Protein and enzyme filtration and sterilization Sterilisation of biological fluids, serum and tissue culture media Biological and clinical analysis Filtration and sterilisation of pharmaceutical solutions
Chemical compatibility	See chemical compatibility table on page 114 of our general catalogue http://www.chmlab.com/en/pdf/CHMLABcatalogue.pdf