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SHIFT FILTRATION V3.0

TECHNICAL DATA SHEET

According to Good Manufacturing Practice (CGMP) standards.

GRADE: MNW020047H-SGP3
DESCRIPTION: CELLULOSE NITRATE (ESTER) MEMBRANE FILTERS. GRIDDED. PINK HYDROPHOBIC EDGE
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 100 units
FORMAT: Circles Ø 47mm

TECHNICAL SPECIFICATIONS:
Membrane.....Cellulose Nitrate (Ester)
Pore size.....0.2 µm
Membrane Color | Grid Color.....white | black
Membrane wettability .....Hydrophilic
Edge wettability .....Hydrophobic
Bubble point minimum value, wetted with water.....4.0 bar (400 kPa)
Flow rate for water.....20 ml/min [cm^2 at 1 bar (100kPa) differential pressure]
Thickness .....90-140 µm
Sterilization.....By autoclaving at 121 °C, with ɣ-radiation 25 KGray or EO
Thermal Stability.....Max. 130°C
Extractables.....With water less than 1%

Other Specifications

Properties	They are ready-to use membranes and save preparatory time. Filter identification and lot number are printed on the box or on each individual enveloped Hydrophilic membrane. Hydrophobic edge of 3 mm Very uniform pore structure which ensures homogeneous distribution of particles retained on the filter surface Autoclavable Very high flow rate.
Applications	Clarification and sterilistation of aqueous solutions Microbiological analysis and particle counting Particle size analysis Pre-filtration ans clarification of samples prior to further analysis Removal of particicles in suspensions to determinate the degree of impurity
Chemical compatibility	See chemical compatibility table on page 114 of our general catalogue http://www.chmlab.com/en/pdf/CHMLABcatalogue.pdf