

Certificate of Quality

The Polyethersulfone Membrane Capsule filters have been manufactured in a **mdi** facility in compliance with **ISO 9001** regulations using **validated production processes**.

AseptiCap KSPES Membrane Capsule Filters

Catalog No. : DKS15336DDXX101
 Type : DKS
 Pore Size : 0.1 μm (0.2 μm + 0.1 μm)
 Lot Number : DK9997G SI.No. 005

SPECIFICATION

Length	5"
Filter Media	Polyethersulfone Membrane
Drainage Layers	Polyester
Differential Pressure	< 4Kg/cm ² at 30 °C
Housing	Polypropylene
Maximum Operating Temperature	80 °C @ < 2 Kg/cm ²
Sterilization	25 autoclaving cycles at 125 °C of 30 minutes each

LOT RELEASE CRITERIA

- 100% Integrity Tested** : The Capsule filters have been tested for integrity by Air Diffusion Flow Test using purified water and Bubble Point Test using 50% IPA/Water solution.
 Diffusion flows were: ≤ 8 ml/min @ 3.52 kg/cm²
 Bubble point was: ≥ 31 psi (2.14 Bar).
- Water Flow Rate** : ≥ 3.5 lpm @ 0.70 Kg/cm² @ 27 °C
- VALIDATED FOR**
- Heat Stability** : Maintains integrity after 25 autoclaving cycles at 125 °C of 30 minutes each.
- Extractable** : Within limits as specified in USP
- Oxidizable matter** : Passes test as per USP.
- Biosafety** : Passes Biological Reactivity Tests, *In Vivo* for Class VI plastic as described in USP <88>.
- Cytotoxicity** : Passes Biological Reactivity Tests, *In Vitro* as described in USP <87>.
- Indirect Food Additives** : Passes as per FDA 21CFR 177.1520(a)(1)(i).
- Particle Release** : Passes test as per USP <788>, "Particulate matter in Injections".
- Fiber Release** : Complies with FDA 21CFR 210.3(b)(6).

CUSTOMER SUPPORT

mdi offers its unique interdisciplinary skills to provide solutions to specific problems. Please contact our factory or the local application specialist.



Head of Quality Assurance

Issue Date: 22-Jul-17

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An ISO 9001 Company