

CERTIFICATE OF ANALYSIS

Cellulose Nitrate Membrane, Gridded, Sterile

Diameter: 47mm, Pore size: 0.45µm
Sterile, Individually packed

Part Number : AVF073GS
Lot Number : AVF073GS-8
Expiry : Nov-2028
Storage : 15 – 30°C

TEST	SPECIFICATIONS	RESULTS
<u>Physicochemical parameters</u>		
Membrane Material	Cellulose Nitrate	Complies
Filter surface	Gridded	Complies
Pore size	0.45µm	Complies
Membrane diameter	47mm	Complies
Wettability	Hydrophilic	Complies
Filter integrity test	min. 32psi with water	Complies
Water flow rate	min. 60ml/min/cm ² @ 1kg/cm ² , 27°C	Complies
Heat stability	Maintains integrity after autoclaving at 121°C for 30 minutes	Complies
<u>Biological parameters</u>		
Sterility test	Sterilized by EO. Passes as per USP <71>	Complies
Growth inhibition test	Grids are non-toxic and do not inhibit the growth of microorganisms	Complies
Microbial retention test	Retention of $\geq 10^7$ organisms/ cm ² of <i>Serratia marcescens</i>	Complies
<u>Validation parameters</u>		
Extractables as per USP	Passes	Complies
Fibre particles release test	Passes	Complies
Biosafety	Passes biological tests for Class VI plastics as per USP <88>	Complies

Product compliance

This product is manufactured in an ISO 9001:2015 certified manufacturing facility using validated production processes under a controlled clean environment.

Each lot has undergone lot release criteria in accordance with PDA-TR (26).

This product has been sterilized by ethylene oxide (EO). Each lot meets the acceptance criteria for the controlled and validated EO sterilization cycle.



Quality Manager, 15.11.2025

The Quality Management Department certifies that this lot conforms to the aforementioned specifications.

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