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## Quality Certificate

PES Syringe Filter, 0.45µm, 25mm, Non-Sterile	Part Number: QPPESSF030045N
	Lot Number: 180305098

### ISO 9001 Quality Standard

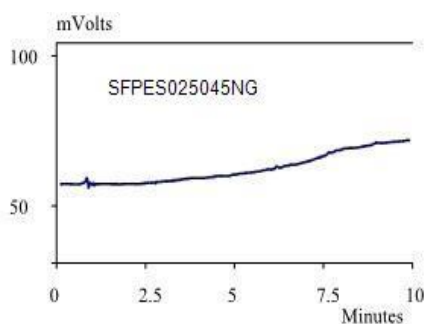
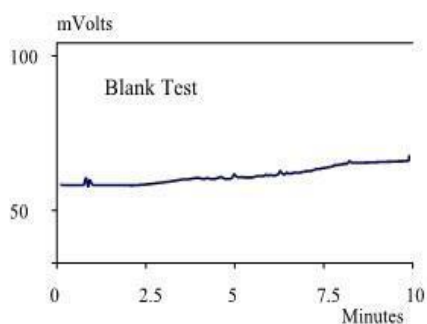
The product was manufactured according to ISO 9001 Quality Systems Standard.

### Syringe Filter Lot Characterization

Membrane material	PES	Filtration area (cm <sup>2</sup> )	4.08
Pore size	0.45µm	Holdup volume (µl)	<100
Wettability	Hydrophilic	Volume Throughput (ml)	<100
Housing Material	Polypropylene	Maximum Operating Temperature (°C)	90
Inlet/Outlet	Female Luer Lock inlet and Male Luer slip outlet	Bubble point (psi)	31.9-46.4
Burst pressure (psi)	87	Flow rate (ml/min@10psi)	144-191

Bubble point and Flow rate were tested by water at 25°C

### HPLC Extractable Test (Purify water, 254nm)



Specification	Result
No obvious peak	Pass

We hereby certify that the above stated filters are in compliance with all applicable instructions. This certificate shall not be copied or reproduced without the written approval of qpore. The document contains information that may be confidential and is intended only for the use of the addressee.

Tested By:  09-05-2018  
QC Technician