

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

Certificate of Quality

AseptiSure HSR PES Membrane Cartridge Filters

Catalog No.	: CHRX5401A0FV101		
Туре	: CPHSR		
Pore Size	: 0.2 μm (0.45 μm + 0.2 μm)		
Lot Number	: CS6694L	SI.No. 053	
Manufacturing Date	: 2024 - 12		
Expiry Date	: 2029 - 12		

SPECIFICATION

Length		10"		
Filter Media		Polyethersulfone Membrane		
Drainage Layers		Polypropylene		
Plastic Components		Polypropylene		
Differential Pressure		< 3.5 Kg/cm ² at 25°C		
Maximum operating Temperature		80 °C at < 2 Kg/cm ²		
Reverse Pressure		< 0.7 Kg/cm ² at 25°C		
Sterilization		By Autoclaving or Steam-in-place (SIP)		
LOT RELEASE CRITERIA				
	The cort	ridge filter has been tested for integrity by Air Diffusion Flow test and Dubble		
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		st using DI water.		
		flows with DI water were: \leq 30 ml/min @ 2.60 kg/cm ²		
		le point value with DI water was: ≥ 50 psi (3.44 Bar)		
Typical Water Flow Rate	: 30 lpm @	m @ 0.70 Kg/cm² @ 27 °C		
Microbial Challenge Test		$s \ge 10^7$ organisms/cm ² of <i>B. diminuta</i> ATCC 19146 challenge as per ASTM nethodology.		
VALIDATED FOR				
Bubble point (50% IPA)		e filter is certified/validated for integrity by Bubble point test using 50% /Water solution. Bubble point \geq 18 psi (1.24 Bar)		
Heat Stability	: Maintain	aintains integrity after 25 Steam sterilization cycles at 135 °C for 30 minutes each.		
Bacterial Endotoxin		queous extracts exhibit < 0.25 EU/mL as established by Limulus Amebocyte ysate (LAL) test as per USP <85>.		
Extractable	: Within limits as specified in USP.			
Oxidizable matter	: Passes	: Passes test as per USP.		
Biosafety	: Passes <88>.	ses Biological Reactivity Tests, In Vivo for Class VI plastic as described in USF		
Cytotoxicity	: Passes	sses Biological Reactivity Tests, <i>In Vitro</i> as described in USP <87>.		
Indirect Food Additives		sses as per FDA 21CFR 177.1520(a)1(i).		
Particle Release		ses test as per USP <788>, "Particulate matter in Injections".		
Fiber Release		blies with FDA 21CFR 210.3(b)(6).		
Total Organic Carbon	Meets L	USP <643> limit of 500 ppb for total organic carbon after flushing specified of water for injection.		
Conductivity	: Meets L	USP <645> limit of 1.3 μ S/cm at 25 °C for water conductivity after flushing ed volume of water for injection.		
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CUSTOMER SUPPORT

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

T. No.: COQ/CAR/004-04

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Head of Quality Assurance Issue Date: 17-Dec-24 Advanced Microdevices Pvt. Ltd.

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