



# Filter Sheets

As parts of lenticular modules

Version 2010-04-22

**Product:** PURAFIX **CH 153P**

**Composition:** These filter sheets are manufactured of specially selected raw materials such as purified and bleached cellulose and inorganic natural filter aids. Polyamidoamine is used as wet strength agent.

**Application:** This filter grade is mostly used in chemical, biotechnology and pharmaceutical industries, for sterilizing, germ-elimination and very fine turbid matters.

Example: Sterilizing filtration for, table water, cosmetics, organic liquids, as prefilter for membranes.

		<b>Min.</b>	<b>Max.</b>	
<b>Physical Properties:</b>	Water value at 100 kPa	l/m <sup>2</sup> *min	10	16
	Weight	g/m <sup>2</sup>	1500	1700
	Thickness	mm	3.9	4.1
	Density	g/cm <sup>3</sup>	0.37	0.44
	Ash content	%	47.5	52.5

**Chemical Properties:** Extractable ions after a WFI flush of 50l/m<sup>2</sup>, concentration in mg/l

<b>Ca</b>	<b>Mg</b>	<b>Pb</b>	<b>Zn</b>	<b>Cd</b>	<b>Cu</b>	<b>Ni</b>	<b>Co</b>	<b>Fe</b>	<b>Al</b>
<1	<0.1	<0.06	<0.01	<0.005	<0.01	<0.02	<0.025	<0.05	<0.05

**Microbiological Retention:** Bacterial Challenge\*: 1.0 E+9 /cm<sup>2</sup>  
 Bacterial Retention\*: >8 LRV

\* not applicable if sheet is not sterile filtering or germ reducing grade.

**Endotoxines:** LAL-Test: <0.125 EU/ml (after a WFI-Flush of 50 l/m<sup>2</sup>)

**Remarks:** Analysis are made according to the methods of "Arbeitskreis Technik / Analytik der Europäischen Fachvereinigung Tiefenfiltration e.V. (E.F.T.)" as well as to our internal standards.

These filters are in line with recommendation XXXVI/1 of BfR and comply with the requirements of the "Lebensmittel - Bedarfsgegenstände-und Futtermittelgesetzbuch LFGB" (German Food and Feed Code). The products can be used as hot and cold water filter papers and filter layers for foodstuffs. The products also comply with the requirement of U.S.P. (Safety Test) as well as F.D.A. regulations CFR 21, § 177.2260 e,f,g,h,i,j,k, and l. All our products are made according to the rules of Quality Management System EN ISO 9001 as well as to the Environmental Management System EN ISO 14001.

**Principal component(s):** Cellulose, natural kieselguhrs

**Components < 3%:** Polyamidoamine, cationization agent.

**Delivery:** FILTROX filter sheets are available in all customary sizes, hygienically shrink-wrapped and packed in cardboard boxes. Please ask for packing of special dimensions.

All information given in this paper are up-to-date at the time of publishing. However, each enduser is requested to check the suitability of their products with the types of filtration mentioned in this leaflet. It is not necessarily complete.