

Geotech dispos-a-filter™ PES Filter Capsules

The Geotech PES (Polyethersulfone) dispos-a-filter™ is the easiest and most cost efficient way to prepare water samples for trace metals analysis. Geotech's dispos-a-filter capsules feature self-contained absolute rated pore size membranes that are scientifically designed to meet U.S. EPA filtration regulations. When field or laboratory filtration is required, the dispos-a-filter™ is perfect for maximum flow capacity and retention of particulate matter.

FEATURES

- Array of filter sizes to meet application specific requirements
- Lot tested for metals to assure pure sample integrity
- No pre-rinsing, cleaning, or assembly required
- Absolute rated pore size for true particulate retention
- Intended for groundwater and surface water filtration for trace metals analysis
- Meets U.S. EPA regulatory .45µm filtration standards
- Barbed and threaded influent tube connection
- Flow direction indicator on label
- Lot number is marked on each filter

SPECIFICATIONS

Membrane Material		PES (Polyethersulfone)
Micron Pore Sizes		0.45µm
Effective Filter Area (Capacity)	900 cm ² :	870 cm ²
	450 cm ² :	429 cm ²
	30 cm ² :	29 cm ²
Inlet	900cm ² :	1/8" MPT to 1/2" stepped barb
	450 cm ² :	1/8" MPT to 1/2" stepped barb
	30 cm ² :	1/4" barb - 1/2" stepped barb
Outlet	900cm ² :	1/8" MPT
	450 cm ² :	1/8" MPT
	30 cm ² :	1/4" barb – 1/2" stepped barb
Housing Material		Polypropylene



PES 0.45µm dispos-a filter™
900 cm² capacity



PES 0.45µm dispos-a filter™
30 cm² capacity

CERTIFICATION

Geotech PES dispos-a-filters™ are manufactured in a clean environment under controlled conditions. The COA (certificate of analysis) report is accredited by ISO/IEC 17025 compliance.

Limits of Detection (LOD) COA (certificate of analysis)

Element	LOD* (µg / L) (ppb)	Element	LOD* (µg / L) (ppb)
Aluminum (Al)	1	Mercury (Hg)	0.1
Antimony (Sb)	1	Molybdenum (Mo)	1
Arsenic (As)	0.2	Nickel (Ni)	0.5
Barium (Ba)	1	Niobium (Nb)	0.1
Beryllium (Be)	1	Potassium (K)	10
Bismuth (Bi)	1	Selenium (Se)	1
Boron (B)	1	Silicon (Si)	100
Cadmium (Cd)	0.05	Silver (Ag)	0.1
Caesium (Cs)	0.1	Sodium (Na)	1
Calcium (Ca)	1	Strontium (Sr)	1
Cerium (Ce)	0.1	Tellurium (Te)	1
Chromium (Cr)	0.2	Thallium (Tl)	1
Cobalt (Co)	0.1	Thorium (Th)	1
Copper (Cu)	0.5	Tin (Sn)	1
Germanium (Ge)	0.1	Titanium (Ti)	1
Iron (Fe)	0.1	Tungsten (W)	1
Lanthanum (La)	0.1	Uranium (U)	1
Lead (Pb)	0.1	Vanadium (V)	0.2
Lithium (Li)	1	Zinc (Zn)	1
Magnesium (Mg)	10	Zirconium (Zr)	0.1
Manganese (Mn)	1		

*LOD: Limits of Detection (ppb)

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