

DOMINIQUE DUTSCHER SAS

Whatman™ GD/XP non-sterile nylon syringe filters w/prefilter

Non-sterile syringe filters with a nylon membrane and polypropylene prefilter. Biobased plastic housing.

Overview

The Whatman™ GD/XP non-sterile nylon membrane syringe filters are designed to prepare and enhance the inorganic ion analysis of hard-to-filter samples greater than 10 mL. Each unit contains a prefiltration stack of polypropylene prefilters and nylon membrane.

- Incorporates a two-layer polypropylene prefilter stack rather than a multi-layer glass fiber stack to minimize levels of ion extractables
- Extremely low protein binding syringe filter
- High loading volume for filtration of challenging samples

Disposable syringe filter for trace metal analysis

Because of their high purity and minimal ion extractables, GD/XP syringe filters are recommended for analyzing ion content that would otherwise experience interference from glass-based extractables. For example, GD/XP is used for trace metal analysis, particularly ion analysis using inductively coupled plasma-mass spectrometry (ICP-MS).

Nylon membrane considerations

Nylon membrane is hydrophilic and is a good choice for aqueous and/ or aqueous organic samples. The membrane offers good chemical resistance to most common HPLC solvents, however it has limited resistance to acids, bases, halogenated hydrocarbons, aldehydes and strong oxidizing agents. The most common application is HPLC sample filtration.

ISCC+ certified Biobased polypropylene housing (25mm devices):

- 90% Biobased plastic resin.
- Biobased plastic resin is ISCC Plus certified using Mass Balance approach.
- The polypropylene accounts for 95% of the weight/composition of the syringe filters.

Read more on the topic here.

Product specifications

Whatman™ GD/XP non-sterile nylon syringe filter w/prefilter, 0.45 µm (150/Pk)

Catalog code	6970-2504
Biobased	Yes
Diameter	25 mm
Effective filtration area	4.6 cm²
Filter media	Nylon
Hold-up volume	< 250 µL
Housing material	Polypropylene (PP)
Inlet connector	Female luer lok
Pore size	0.45 µm
Pack size	150/Pk
Sample volume	< 100 mL
Sterile	No

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