

DOMINIQUE DUTSCHER SAS

Whatman™ Quantitative Filter Papers, Ashless, Grade 44

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Overview

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- Accurate ash free dry mass measurements
- Fine nominal particle retention rating of 3 µm
- Filtration speed (Herzberg 995 s)
- Typical thickness of 180 µm

Cytiva's business offers other ashless grades with different particle retention ratings, as well as hardened ashless grades to ensure accurate measurement during analyses of samples that are strongly acidic/alkali.

Fast gravimetric analysis of fine particles

Gravimetric analysis can be time-consuming when filtration of fine particles is required. Because of its reduced thickness, Grade 44 ashless filter paper from Cytiva provides faster filtration of fine particles when compared with thicker papers of similar retention rating, such as Whatman Grade 42 paper.

Looking for a filter paper, membrane filter, or syringe filter? Let Cytiva help you find the optimal filter for your needs to ensure reliable analysis.

Product specifications
Whatman™ Grade 44 quantitative filter paper, ashless, thin, 110 mm circle (100/Pk)

Catalog code	1444-110

Diameter	110 mm
Pack size	100/Pk
Format	Circles
Grade	Grade 44
Material	High-quality cotton linters
Basis weight	80 g/m²
Nominal thickness	176 µm
Alpha cellulose content min.	≥98%
Application	Designed for gravimetric alysis and the preparation of samples for instrumental alysis.
Ash content %	0.007%
Nominal air flow rate	56 s/100 mL/in²
Type	Ashless
Typical particle retention in liquid	3 µm
Typical trace element levels	Aluminium 2.5 µg/g ; Antimony <0.5 µg/g ; Arsenic <0.5 µg/g ; Barium <0.5 µg/g ; Boron <1 µg/g ; Calcium 8.3 µg/g ; Chromium 1.5 µg/g ; Copper 2 µg/g ; Iron 12 µg/g ; Lead <0.5 µg/g ; Magnesium 4 µg/g ; Manganese <0.5 µg/g ; Mercury <0.5 µg/g ; Potassium 2.3 µg/g ; Silicon 6.2 µg/g ; Sodium 16.8 µg/g ; Zinc 64.5 µg/g
Typical water flow rate	11 ml/min at 45 psi (3.1 bar)

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