

DOMINIQUE DUTSCHER SAS

Whatman™ Quantitative Filter Papers, Ashless, Grade 43

Grade 43 Filter Papers are designed for highly refined filtration and analytical applications, including inorganic analysis, instrumental testing, and gravimetric analysis. Low ash content and excellent purity.

Overview

Cytiva's Whatman Grade 43 filters support inorganic analysis and other forms of instrumental analyses. The low ash content also makes Grade 43 appropriate for gravimetric analyses requiring sample combustion.

- Very low ash content (0.007% ash concentration maximum)
- Intermediate particle retention rating of 16 µm
- Herzberg filtration speed of 155 s
- Particle collection between that of Grades 40 and 41

Cytiva offers other ashless grades to ensure that you have the appropriate particle retention rating for your needs. Hardened ashless grades are also available for analyses that use strong acid/alkali solutions.

Particle collection and inorganic analysis

Whatman Grade 43 from Cytiva's business can be ashed during gravimetric analysis without contributing substantially to the measured weight. These filters are also appropriate for:

- Inorganic analysis in the construction, mining, and steel industries
- Particle collection for air pollution monitoring for subsequent analysis by X-Ray fluorescence (XRF) techniques
- Soil analysis
- Foodstuffs filtration analysis

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 43 quantitative filter paper, ashless, for inorganic analysis, 110 mm circle (100/Pk)

Catalog code	1443-110
Diameter	110 mm
Pack size	100/Pk
Format	Circles
Grade	Grade 43
Material	High-quality cotton linters
Basis weight	95 g/m²
Nominal thickness	220 µm
Alpha cellulose content min.	≥98%
Application	Designed for gravimetric alysis and the preparation of samples for instrumental alysis. ; For foodstuffs alysis. ; For soil alysis. ; For particle collection in air pollution monitoring for subsequent alysis by XRF techniques. ; For inorganic alysis in the construction, mining and steel industries.
Ash content %	0.007%
Nominal air flow rate	11 s/100 mL/in²
Type	Ashless
Typical particle retention in liquid	16 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	62 ml/min at 45 psi (3.1 bar)

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