


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, 125 mm circle (100/Pk)**

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| Catalog code | 1443-125 |
| Diameter | 125 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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