



Quantitative Filter Paper
for the
Mining Industry

ADVANTEC understands sample preparation can be a critical step in metal content analysis of ore samples. Therefore, Advantec offers ashless quantitative filter paper with less than 0.01% ash content. A selection of grades are available of varying performance characteristics to meet the required specifications important to the sample element to be recovered or based on specifications such as particle retention, filtration speed, and metal content.

Advantec Quantitative Ashless Filter Paper is made from pure alpha cotton cellulose and double acid washed then rinsed with ultrapure water to neutralize. These filter papers are manufactured under intense quality control standards to be of the highest quality and consistency, ensuring uniform performance so you can be confident that your results are as accurate as can be.

Applications

No.3	No.5A	No.5B	No.5C	No.6	No.7
use in analysis of soils, fertilizers, cement, and minerals in mining and steel industries	retain coarse and gelatinous precipitates such as aluminum or iron hydroxide; determine silica content in steel.	retain medium particles such as CaCO ₃ , PbSO ₄ , CaCO ₄ , MnCO ₃ , ZnCO ₃ , ZnS, AgCl	collect fine precipitates such as SrSO ₄ , BaSO ₄ , HgCrO ₄ ; gravimetric analysis	retain trace and precious metals	lowest ash weight for retaining medium particles for precise gravimetric analysis

Specifications

Grade	Nominal Retention (µm)	Flow Time* (sec.)	Thickness (mm)	Weight (g/m ²)	Flow Characteristic	Whatman Cross Ref.
No.3	5 (Medium)	130	0.23	113	Fast	43
No.5A	7 (Coarse)	60	0.22	97	Fast	41
No.5B	4 (Medium)	195	0.21	108	Medium	40
No.5C	1 (Fine)	570	0.22	118	Slow	42 or 44
No.6	3 (Medium-Fine)	300	0.20	103	Medium	42
No.7	4 (Medium)	200	0.18	87	Medium	-

*Flow time is the time in seconds required to filter 100 ml of distilled water at 20°C under pressure supplied by a 10 cm water column through a 10 cm² section of filter paper.

Ordering Information: Available in standard diameters (cm): 4.25, 5.5, 7.0, 9.0, 11.0, 12.5, 15.0, 18.5, 24.0 Quantity: 100 filters/pack. Other grades and sizes are available.

Catalog Numbers: Order by specifying grade followed by diameter.
Examples: NO312.5CM, NO5B11.0CM

Cellulose Powder Filter Aids and Qualitative Filter Papers are available.



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