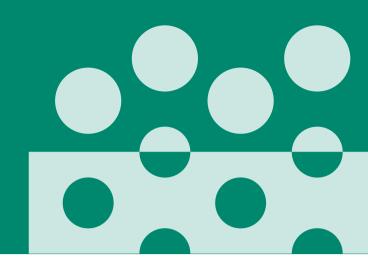
Filtration for Metal and Mining Testing



Cytiva Whatman laboratory filtration products for metal and mining testing



Cellulose filter papers for use in metal content tests and all other wet chemistry methods.



For sample preparation before HPLC/UHPLC/ICP-MS/IC instrumental analysis, syringe filters and syringeless filters are recommended.



For stack gas analysis, Whatman™ thimbles can withstand the high temperatures used in gas sample collection.



Our range of glass fiber filters and membranes are suitable for air and water monitoring applications.





In-line filters can be used to collect ground water for further



Whatman filtration products across the mining industries

Quality control labs:

Quality control labs routinely check the quality of incoming materials, such as metal ores, and final products. Sample preparation is a key step to ensuring accurate and stable results.

Environmental testing labs:

Filters are used to collect particles from water and air, and then tested in an environmental lab for further analysis to ensure safety and compliance.

Research labs:

Research labs use filters in a range of tests to monitor and improve refinery processes and evaluate minerals and mineral derivatives.

Whatman filter papers for metal content testing

Whatman Grade 40 and Grade 41 quantitative ashless filter papers are manufactured to strict specifications to meet mining industry requirements for filtration speed, clarity and metal content for mining metal tests.

Select the right Whatman paper grade for your metal tests:

What are you testing for?	Products	Characteristics and benefits	
High Molybdenum, Pb Lead	Grade 40	 Good separation performance with particle retention 8 μm Low ash content < 0.007%, background interferences 	
Zinc	Grade 41	• Good separation performance with particle retention 20 µm • Low ash content < 0.007% background interferences	

Ordering information

Product name	Dimensions	Quantity	Product code
Grade 40	12.7 mm 400 pcs 1448-012 (variety of dimensions available)		
Grade 41	42.5 mm (variety of dimensions available)	100 pcs	1441-042



Whatman quantitative filter papers are designed to withstand the harsh chemicals and heat used in metal content testing

Sample preparation:

The sample is dissolved in a strong acid and heat, followed by chemicals being added to remove interferences when necessary and separate the target element.

Using filter paper:

The target element is either in the retentate or the filtrate.

Next possible test:

- Gravimetric
- Titration
- Optic



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