

# Filter Paper

## Qualitative Filter Paper



### Introduction

- ▶ Made of 100% alpha cotton cellulose; Ash content 0.1%.
- ▶ Stable from PH 0~12; thermostable up to 120°C.
- ▶ Divided into fast, middle and slow speed.
- ▶ Diameter ranges from 7cm~18cm, and 60cm\*60cm.
- ▶ Widely used in general laboratory filtration, liquid clarifications, analytical separations.
- ▶ Air and water analysis, rough sample preparation.

## Product Specifications

Weight	Speed	Retention (μm)	Filtration Speed (s)	Diameter & Size	Ash Content (<%)
80g/m <sup>2</sup> (±4)	Fast	20~25	≤35	7, 9, 11, 12.5, 15, 18, 60*60cm	0.15
	Middle	15~20	35-70(Contain)	7, 9, 11, 12.5, 15, 18, 60*60cm	0.15
	Slow	10~15	70-140(Contain)	7, 9, 11, 12.5, 15, 18, 60*60cm	0.15

## Order Information

	70mm	90mm	110mm	125mm	150mm	180mm	60*60cm
Slow	QL0700S	QL0900S	QL1100S	QL1250S	QL1500S	QL1800S	QL6600S
Medium	QL0700M	QL0900M	QL1100M	QL1250M	QL1500M	QL1800M	QL6600M
Fast	QL0700F	QL0900F	QL1100F	QL1250F	QL1500F	QL1800F	QL6600F

Package: 100pcs/pk

# Filter Paper

## Quantitative Filter Paper



### Introduction

- ▶ Made of high quality alpha cellulose content.
- ▶ Ash content less than 0.01%.
- ▶ Range from 70mm to 185mm diameter, divided into low, medium and fast speed.
- ▶ Acid washed and rinsed with ultrapure water to neutralize.
- ▶ Recommended for quantitative analysis, routine gravimetric tests and sample preparation for instrumental analysis.

### Product Specifications

Weight	Speed	Retention( $\mu\text{m}$ )	Filtration Speed(s)	Diameter(mm)	Ash Content(<%)
80g/m <sup>2</sup> ( $\pm 4$ )	Fast	20~25	$\leq 35$	7, 9, 11, 12.5, 15, 18	0.01
	Middle	15~20	35-70(Contain)	7, 9, 11, 12.5, 15, 18	0.01
	Slow	10~15	70-140(Contain)	7, 9, 11, 12.5, 15, 18	0.01

Filtration speed is the time for filtering 10ml ( $23\pm 1^{\circ}\text{C}$ ) distilled water through  $10\text{cm}^3$  filter paper.

Wet Bursting Strength is measured by wet bursting strength instrument LSY-100

### Order Information

	70mm	90mm	110mm	125mm	150mm	180mm
Slow	QT0700S	QT0900S	QT1100S	QT1250S	QT1500S	QT1800S
Medium	QT0700M	QT0900M	QT1100M	QT1250M	QT1500M	QT1800M
Fast	QT0700F	QT0900F	QT1100F	QT1250F	QT1500F	QT1800F

Package: 100pcs/pk

# Thimbles

## Extraction Thimbles

### Introduction

Microlab Scientific offers a wide selection of high quality extraction thimbles available in a variety of dimensions to fit most soxhlet extraction units. Our extraction thimbles are manufactured in high purity cellulose fibers or high purity glass binder free microfiber. They also feature a consistent wall thickness customized manufacturing is available for tubes, sleeves and additional sizes. They also feature a consistent wall thickness customized manufacturing is available for tubes, sleeves and additional sizes.



### Common Thimble Applications

- ▶ Soxhlet extraction.
- ▶ Air and waste gas analysis.
- ▶ Collection of solid particles such as dust.
- ▶ Smoke stack gas monitoring.
- ▶ Analysis of pesticide residues.
- ▶ Oil/fat content of solid foods.
- ▶ Oil & grease analysis of solid wastes.
- ▶ Elution for biochemical analysis.

### Common Thimble Material Application Reference

Cellulose Extraction Thimbles	Glass microfiber Extraction Thimbles
Fat determination of meat and dairy products	Gravimetric methods for hot environments
Determination of PCB in fish products	Gravimetric methods for acidic gasses
Determination of free fats in food products	Extraction methods common to biochemical analysis
Determination of pesticide residues in food products	
Extraction of plasticizers from PVC	
Extraction of dioxins	
Solid particle such as dust collection in air flows	
Evaluation of liquid content in concrete slurry	

### Technical Specifications for Cellulose Extraction Thimbles

Type of Extraction Thimbles	Max temperature (°C)	Binder	Wall thickness (mm)
Cellulose	120	None	1-3
Glass Microfiber	500	None	2.0

## Order Information

### Cellulose

Product Catalog #	Size (mm) OD*Length	Wall Thickness (mm)	Packing ( pcs)
ETC1733	17*33	1.0-1.5	25
ETC1990	19*90	1.5-2.0	25
ETC2260	22*60	1.5-2.0	25
ETC2660	26*60	1.5-2.0	25
ETC2780	27*80	1.5-2.0	25
ETC3060	30*60	1.5-2.0	25
ETC30100	30*100	1.5-2.0	25
ETC3380	33*80	1.5-2.0	25
ETC3480	34*80	1.5-2.0	25
ETC3680	36*80	2.0-2.5	25
ETC36100	36*100	2.0-2.5	25
ETC37130	37*130	2.0-2.5	25
ETC41150	41*150	2.5-3.0	25
ETC58170	58*170	2.5-3.0	25
ETC70240	70*240	2.5-3.0	25

### Glass Microfiber

Product Catalog #	Size (mm) OD*Length	Wall Thickness (mm)	Packing ( pcs)
ETG32120	32*120	2	20
ETG2590	25*90	2	25
ETG2870	28*70	2	30

## Product packaging

