MultiLab

Hartie cromatografica

Papers for chromatography

Specially made as a holder in an enormous type of chromatography

Description

A range of papers made from cellulose chromatography pure cotton linters with an alpha cellulose content of 98% to ensure a low ash content and the virtual absence of metal contaminants, especially Fe and Cu, which could lead to interference.

These raw materials used in these papers confer the perfect regularity in the formation and the position and distribution of fibers, which allows a perfect uniformity of the physical characteristics of each quality. Also, a correct paper storage rear ensures good behavior in laboratory.

These papers are used primarily in processes of chromatography and electrophoresis, for separating a mixture of substances according to the principle of distribution extraction speeds. This is determined by the different sizes of the molecules, and distribution coefficient of molecular charges.

The most important parameters that indicate the characteristics of the chromatographic papers are weight in grams, thickness and the speed of aspiration. While a heavier paper and thickness guarantee high solute load, speed of capillary suction ensures better definition but the opposite, so you will always have a role higher resolution slow.

The applications are vast: teaching organic chemistry (ion separation difficult to identify), determination of some compounds in industry, etc.

Technical specifications

Ref.	Weight in grams	Thickness	Speed of aspiration*
	gr/m^2	mm	mm/30 min
PC 1 Fine, medium aspiration	90	0.18	90 - 100
PC 2 Fine, medium aspiration	140	0.28	90 - 100
PC 3 Medium, medium aspiration	180	0.36	90 - 100
PC 4 Thick, quick aspiration	270	0.70	130 - 140[1]
PC 5 Very thick, quick aspiration	650	1.70	100 - 120[1]

* Velocity of aspiration in mm/10 min

APPLICATIONS

Ref. PC1. Fine, medium aspiration

- General chromatography works
- Determination of the presence of malic acid in wine
- Practices in high schools' labs and universities' labs

Ref. PC2. Fine, medium aspiration

- General chromatography works
- Determination of components by elution

Ref. PC3. Medium, medium aspiration

- Separation of organic compounds
- Electrophoresis works
- Chromatography with a high charge of solutes
- Separation and identifications of additives in food.

Ref. PC4. Thick, medium aspiration

- Electrophoresis with big molecular compounds
- Analyses of proteins in serums

Ref. PC5. Very thick, quick application

- Electrophoresis with very big molecular compounds

MultiLab

Formats and dimensions

100 x 150	120 x 140	150 x 200	200 x 200	460 x 570	580 x 600

Dimensions: Measures in mm
Presentation: Packs of 100 units

Other formats and dimensions available under demand

Information for orders. Paper for Chromatography

PC 1 Fine, medium aspiration

Dimensions mm	Code	units/pack
100 x 150	HJPC1100150	100
120 x 140	HJPC1120140	100
150 x 200	HJPC1150200	100
200 x 200	HJPC1200200	100
460 x 570	HJPC1460570	100
580 x 600	HJPC1580600	100

PC 2 Fine, medium aspiration

Dimensions mm	Code	units/pack
100 x 150	HJPC2100150	100
120 x 140	HJPC2120140	100
150 x 200	HJPC2150200	100
200 x 200	HJPC2200200	100
460 x 570	HJPC2460570	100
580 x 600	HJPC2580600	100

PC 3 Medium, medium aspiration

Dimensions mm	Code	units/pack
100 x 150	HJPC3100150	100
120 x 140	HJPC3120140	100
150 x 200	HJPC3150200	100
200 x 200	HJPC3200200	100
460 x 570	HJPC3460570	100
580 x 600	HJPC3580600	100

PC 4 Thick, quick aspiration

Dimensions mm	Code	units/pack
100 x 150	HJPC4100150	100
120 x 140	HJPC4120140	100
150 x 200	HJPC4150200	100
200 x 200	HJPC4200200	100
460 x 570	HJPC4460570	100
580 x 600	HJPC4580600	100

PC 5 Very thick, quick aspiration

Dimensions mm	Code	units/pack
100 x 150	HJPC5100150	100
120 x 140	HJPC5120140	100
150 x 200	HJPC5150200	100
200 x 200	HJPC5200200	100
460 x 570	HJPC5460570	100
580 x 600	HJPC5580600	100

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