Hahnemühle



Germination perfection

Certified Germination papers for seed testing according to the International Seed Testing Association (ISTA)

Hahnemühle FineArt

Hahnemühle is one of the worlds oldest paper manufacturers. The company has been dedicated to the production of high quality filter papers for in excess of 120 years at our mill in Germany.

Customers can choose the optimum paper from a wide range of filtration products for Industrial and Laboratory applications.

Hahnemühle is the preferred and trusted Seed Testing Paper manufacturer for many Seed Testing Companies around the world. They are reassured in the quality of our products as our mill production processes are tailored to adhere to the strict guidelines set by the International Seed Testing Association (ISTA).



All of our seed testing papers

- are manufactured from pure cellulose, no additives
- are free from mould, bacteria and toxic substances, which influence the growth of seeding
- are able to store sufficient moisture for the whole duration of test
- have an open and porous structure without the rootlets being able to grow in to the paper
- have a conductivity lower than 40 mS/m²
- are sufficiently strong for all seed testing applications
- have a pH value between 6.0 – 7.5
- are ideal for Top of Paper (TP), Between Paper (BP) and Pleated Paper (PP) methods

Customer statement

KWS uses two different papers for its seed germination capacity tests: pleated strips of grade 3014 for sugar beet seeds, oleaginous fruits, grain and sorghum cereal seeds in addition to a custom made reel of paper for a special test of sugar beet seeds.

"For in excess of 30 years we have been solely using Hahnemühle seed testing papers to germination test sugar beet seeds in our quality control lab because of the high chemical pureness of paper, which is necessary for the test of sensitive seeds. Hahnemühle is well known for its customer focus and its fast and flexible delivery service." says Dr. Olaf Brinkmann, Head of Quality Control at KWS SAAT AG, Einbeck, Germany (www.kws.com).

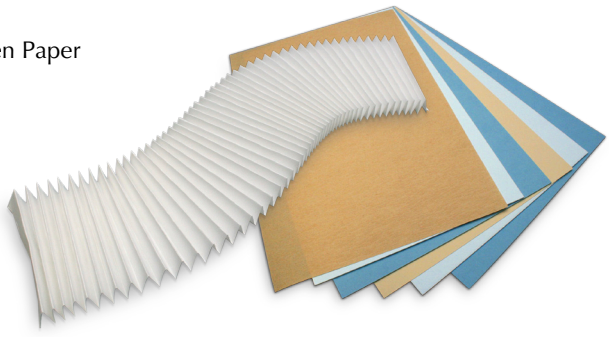
KWS
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Pleated strips

- exactly 50 double pleats
- no spreading from mould or bacteria
- simple identification of individual seedlings
- excellent contact between seed and substrate ensures optimal water supply

Coloured seed testing papers

- improved contrast simplifies counting the seedlings (particularly for very fine rootlets)
- results are reliable
- less time is required
- all the dyes we use have been tested and are free from growth-inhibiting substances



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Technical Specifications (ISTA)

PP Method

Grade	Properties	Weight [g/m²]	Thickness [mm]
3014	Pleated strips, white	110	0.22
3236	Pleated strips, grey	110	0.22
0858	Wrapping paper for pleated strips	75	0.17

TP Method

Grade	Properties	Weight [g/m²]	Thickness [mm]
597	for petri dishes, Copenhagen-Tank	81	0.18
598	for petri dishes, Copenhagen-Tank	140	0.32
520 bII	for Copenhagen-Tank	135	0.53
3621	Blotter, light blue	700	1.45
3633	Blotter, light blue	300	0.65
3644	Blotter, blue	720	1.42
3645	Yellow	165	0.34

BP Method

Grade	Properties	Weight [g/m²]	Thickness [mm]
520 b	White	155	0.65
5703	White	240	0.55

Applications

Applications	Grade
Medium large and coated seeds e.g. sugar beet, fodder beet, grain, sunflowers, rapeseed or mustard	3014, 3236, 0858
Seeds with small, white rootlets	3621, 3633, 3645
Grain (BP method)	520 b, 5703
Very sensitive seeds	3014
Small seeds (flowers, grasses)	597, 598, 2048

Ordering information

Format 110 × 20 × 2000 mm 1008 units/box 306 units/box	**3014** Ref. No. 301411200 Ref. No. 301411200V300	**3236** Ref. No. 323611200 Ref. No. 323611200V300
110 × 580 mm 500 units/box	**0858** Ref. No. 08581158	
580 × 580 mm 100 units/box	**520 b** Ref. No. 520b5858	**5703** Ref. No. 57035858

All papers are also available in different sizes and formats.

Hahnemühle

Hahnemühle FineArt GmbH manufactures and supplies filter paper for Industrial and Laboratory applications

Reliable quality and performance!

- 'State of the Art' on-line controled manufacturing process
- Documented production process with 100% batch traceability down to the raw material used
- Production batches are released only after passing industry standardised testing procedures that are set at the highest possible monitoring level and specifications
- Water used to prepare the pulp (99% water, 1% cellulose) complies with the German drinking water regulation: TrinkwV 2001



Please contact your local Sales Office for a copy of our latest Filtration or Microfiltration Catalogue!
www.hahnemuehle.com/filtration

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