

## Agriculture Specialty Products

GVS provides specialized products for the scientific industry, with a particular focus on solutions for the agriculture sector. Our products are developed in close collaboration with researchers and developers to ensure they meet the essential performance requirements of our customers.

### Seed testing paper

- GVS offers non-toxic papers for use in the seed industry and agricultural research laboratories. Seed testing papers are made of cotton linters and/or pure cellulose; they do not contain any substances which could influence the growth of seeding. The pH range is between 6.0 and 7.5. Their special structure prevents fine seed roots from growing through the paper.
- A broad weight range enables the seed technician to maintain the required moisture level for the whole duration of the germination test period. Our filter paper can be supplied in a variety of formats and is available in white and three shades of blue and yellow to make the evaluation of fine roots easier.
- Our papers comply with ISTA (International Seed Testing Association) and AOSA (Association for official seed analysis) requirements.

#### GVS offer various formats for each procedure:

- TP: Top of paper
- BP: Between the paper
- PP: Pleated paper

#### Features

- High purity cellulose grades
- Highest intra and inter-lot consistency
- Wide range of white and colored papers
- Comply with ISTA and AOSA requirements
- Customized sizes and shapes available



### Ordering information

Grade	Description, Surface	Weight g/m <sup>2</sup>	Thickness mm	ISTA* Method	AOSA** Method	Type of seeds	Standard Size mm
GP20001101765C01 GP20001101766C01	Pleated strips, white, 50 double pleats, plain	120	0.22	PP	PP	For pelleted, medium and large seeds	2000x110
GP07000037NC01 GP58058037NC01	White, creped	135	0.5	TP	P, TC		Ø70 580*580
GP19040034NC01 GP30040034NC01 GP33040034NC01 GP19040034NM01	White, creped	60	0.2	TP, BP	T, TC	Small specimens in petri dishes or Jacobsen Tanks with grass or flowers	220x400 190x400
GP0301604BC01 GP1202104BC01 GP2204004BC01 GP3004004BC01 GP3304004BC01	White, plain	75	0.15	TP			30x160
GP102102194C01 GP119120194C01 GP050000194C01 GP082000194C01	Filter board, dark blue, plain	430	0.68	TP, BP		All specimens like vegetable, herbs and flowers	Ø50 Ø82.6 102x102 119x120
GP190400140PEC01 GP190400140PEM01	PE-coated paper, plain	140	0.27	TP, BP		Cereals, towelling; the coating is minimizing root break-through and spread of the mold	190x400

\*BP: Between papers, Pp: Pleated paper, TP: Top of paper

\*\*B: Between blotters, T: Paper toweling, p: Cover petri dishes, TB: Top of blotters pp: pleated filter paper, TC: Top of creped cellulose paper. Customized shapes and sizes are available on demand. Other seed testing grades available, please contact us for further information.

# Disc and Sheet Membranes

## Soil testing paper

- Soil analysis plays a crucial role in the evaluation of land's capabilities for different forms of agriculture and determines the most suitable type and quantity of fertilizer to maximize crop production.
- To optimize plants growth, it is essential to determine the presence of nutrients and trace elements. An optimal filtration is the initial step to ensure rigorous and reliable results.
- For this purpose, GVS offers a high-purity range of products, specifically designed for gravimetric analysis of soil nutrients and sample preparation for instrumental analysis.



## Ordering information

Main grades	Basis weight g/m2	Retention µm	Filtration Speed Herzberg s/100ml	Characteristics
On demand	80	5-8	100	Low phosphate and potassium content
On demand	80	8-10	450	Low phosphate and potassium content
GP090000292C01 GP220400292C01	87	5-8	500	Low nitrogen content
On demand	97	5-8	650	Low nitrogen content
On demand	84	2-3	1200	Very fine particle retention, particularly suitable for ICP-MS analysis
On demand	84	2-3	1200	Suitable for colorimetry for phosphorous analysis

Rolls, sheets and final discs formats available in various sizes.

## Discover our new specimen collection card

Our new collection card is designed to capture diverse small Eukaryotic organisms including plants, fungi, insects, and parasites.

Engineered with a protective cover, the card allows for live collection and direct crushing of organisms onto the specialized collection paper eliminating the need for complex preparations beforehand.

Our collection paper is made from pure cotton material and treated with chemicals to ensure long-term preservation of nucleic acids at ambient temperatures for over two decades.

The innovative design features four distinct areas, enabling the collection of multiple samples of the same nature or repeated samples of the identical specimen(replicates). This not only enhances result accuracy but facilitates. Also, higher quantities of DNA recovery.

## Features

- DNA-free card for higher accuracy of the results
- High quality STR profiling and NGs studies
- Direct-multiplex PCR and Quantitative PCR
- Long-term storage and transportation of samples at ambient temperature
- User-friendly design to facilitate collection, avoid cross-contamination and to protect the bio samples
- Customizable upon request

