



LABOSEM

Price List

Rates applicable from May 1, 2025

| Overview

Our history

The LABOSEM laboratory was established in the 1960s at the initiative of the National Federation of Seed Multiplying Farmers (FNAMS). It was created in response to the growing need among farmers to assess the quality of their crops before delivering them to the seed company with which they had a contract. After several relocations in and around Angers, LABOSEM settled in Brain-sur-l'Authion in 1987, at the heart of seed production in the Loire region.

Recognized within the industry for quality assessment analyses

Thanks to its years of experience, the objectivity and rigor of its work have enabled the team to gain the credibility necessary for its analyses to be recognized by all partners in the seed sector, and this across all species groups. As a result, LABOSEM is often the laboratory selected for the characterization of raw seed lots harvested as part of the acceptance procedures stipulated in multiplication contracts.

Our Values and Commitments

Since its creation, the company has been built around key values that remain essential today and enable Labosem to provide high-quality services. Labosem is an independent laboratory serving the seed industry. The laboratory places particular importance on the rigor and objectivity of the methods used in order to deliver accurate results, and to do so in the shortest possible time. Aware of the constraints in the agricultural sector, LABOSEM strives to offer affordable rates to make its services accessible to all.



A Growing Range of Services

Services for Pre-sorted Seed Lots

These services are intended for breeders, seed producers, distributors, and end users for purposes such as:

- quality control of seed lots at the factory exit
- stock control
- purchase inspections.

Services for Various Research and Development Organizations

The laboratory develops tailor-made methods to meet the specific needs of its clients.

Seed Lot Sorting Services

The laboratory's sorting facility handles the sorting of small seed lots, which are often too small to be processed using industrial machines.

An Accredited Quality System

To support its activities related to seed quality analysis, LABOSEM has implemented a quality system that is currently accredited by **COFRAC (COFRAC TESTING accreditation NF EN ISO/IEC 17025 – scope available at www.cofrac.fr – accreditation no. 1-6082)** and **ISTA** (scope available at www.seedtest.org – No. FRML0400). The laboratory is also an approved subcontractor for the NAL. For its clients, these accreditations guarantee the laboratory's rigor and impartiality in carrying out services, all while ensuring complete confidentiality.

The following catalog presents the prices (in € excl. VAT) per sample for a non-exhaustive list of analyses offered by LABOSEM. Sample registration fees are additional to these costs. Sending a sample implies acceptance of the General Terms and Conditions of Sale available at www.labosem.fr. For further information or for customized services, please contact contact@labosem.fr.



Sample Processing and Certificates

For any analysis request, additional handling and sample registration fees apply. Furthermore, depending on the format and type of test certificate required, additional costs may be incurred.

Handling and registration per sample..... €5.29

This rate includes the handling of the sample as well as the issuance of a standard LABOSEM results certificate in French in PDF format, or a COFRAC certificate in French (ISO 17025) if the test falls within the laboratory's scope of accreditation, micro-cleaning is not required, and the COFRAC request is specified by the client on the order form.

ISTA Certificates (BIO or BIB, English version)..... €20.27

A COFRAC certificate (ISO 17025) in French is also provided free of charge.

Provisional certificate for full analyses..... €4.41

See the section on raw seeds for more details.

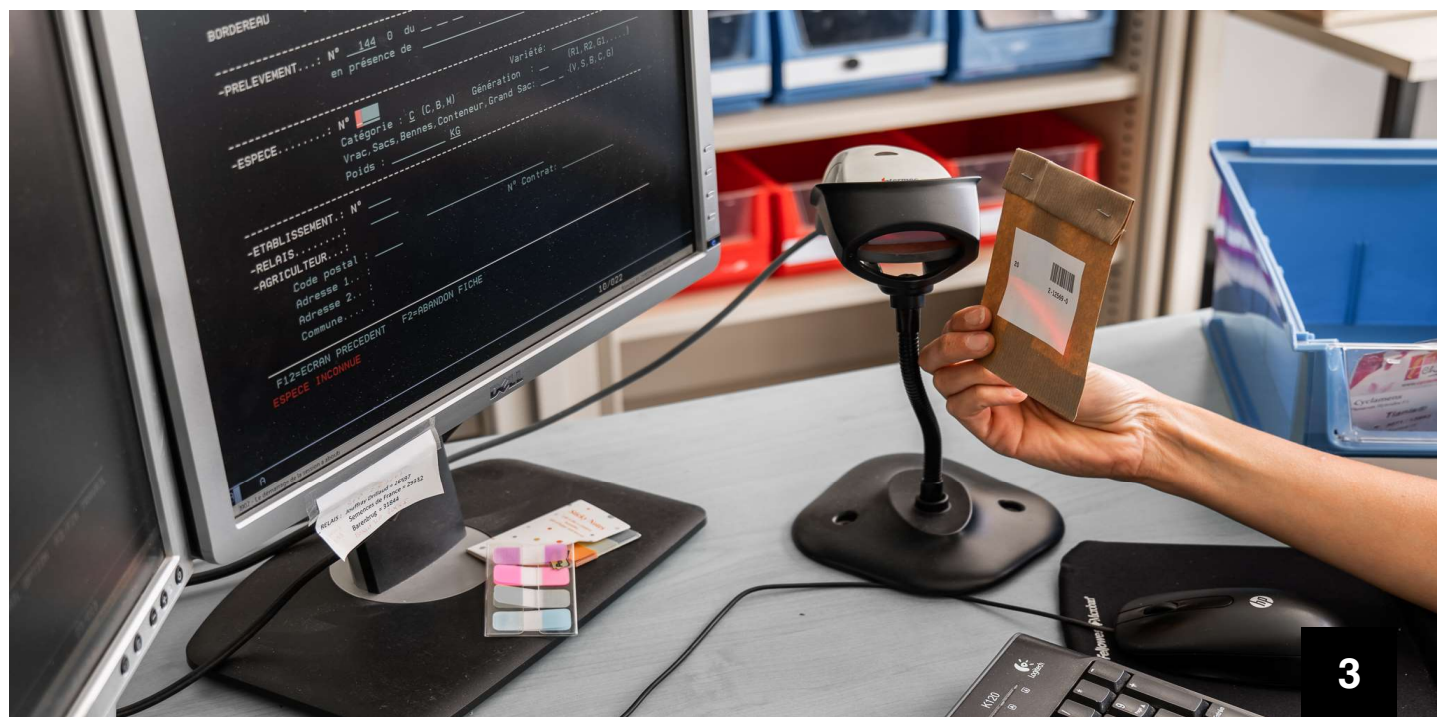
Supplement for the issuance and mailing of a paper certificate..... €2.64

Urgent request..... €8.81

Urgent request (For germination analysis with a reduced sample size)..... €7.05

In the case of an ISTA BIO request, the sample must be provided to LABOSEM by an ISTA-accredited organization for the sampling process. The laboratory can assist you in identifying the nearest ISTA-accredited entity.

LABOSEM is also an authorized subcontractor by the NAL. If you wish to use the laboratory in this capacity, please contact us before sending the samples.



Grouped Analyses on Raw Seeds

The grouped pricing grid includes the following elements:

- Preparation of the working sample
- Determination of the waste rate through micro-cleaning
- Specific purity analysis after micro-cleaning
- Germinative capacity analysis

The counting of impurities or other seeds, as required by SEMAE technical regulations for certified or base seeds (depending on the species), is also performed and charged as an additional fee (see individual analyses).

Additional analyses (thousand seed weight, moisture content, seed grading, etc.) can be added upon request and will be charged as an extra. The laboratory can also adapt the cleaning protocol to meet the client's needs.

For quality assessment analyses to determine payment for batches, a fee for sampling will be added.

Grasses ⁽²⁾	€90.78
Legumes (Alfalfa, Clovers, Common and Purple Vetch, Lotus, Sweetclovers, ... ⁽¹⁾) ⁽²⁾	€90.78
Legumes (Hairy, Pannonian, Narbonne Vetch, ... ⁽¹⁾) ⁽²⁾	€101.53
Legumes (Forage peas, Gesses, ... ⁽¹⁾) ⁽²⁾	€84.61
Cereals (Wheat, Barley, Triticale, Oats, Rye, ... ⁽¹⁾) ⁽²⁾⁽³⁾	€79.33
Protein crops	€84.61
Fodder cabbage and radish, Mustards, Rape, Camelina ⁽³⁾	€81.53
Industrial and vegetable beets (excluding germination of the kernel)	€105.77
Sunflower ⁽³⁾ , Hemp, Flax	€81.53

(1) Non-exhaustive list of species; for other species, please contact us directly.

(2) Rates exclude counts specified in technical regulations

(3) Rates exclude sclerotia counting



Vegetables, Aromatic plants, large-seeded flowers (peas, beans, broad beans).....	€107.53
Vegetables, Aromatic plants, small-seeded flowers	
• Micro-cleaning performed using 3 machines ⁽⁴⁾	€90.78
• Micro-cleaning performed using 4 machines ⁽⁴⁾	€115.46
• Micro-cleaning performed using 5 machines or more ⁽⁴⁾	€134.85

⁽⁴⁾ Excluding additional cost for germination on pleated paper.

For the same species, the number of machines used depends on the sample's waste load and the sorting difficulties caused by the presence of weed seeds. The applicable rate will correspond to the actual number of machines used for the analysis of industrial beets and chicories.

Contribution to FNAMS sampling fees (see below).....	€15.87
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Additional information on sampling fees:

In the case of analyses carried out for the certification of seed production, a certification system for sampling agents is managed by FNAMS (National Federation of Seed Multiplying Farmers). For any disputed sample, taken from a raw lot by a certified sampling agent, LABOSEM charges on behalf of FNAMS a contribution to sampling costs, which is added to the analysis fee and fully transferred to FNAMS. At the end of the season, FNAMS redistributes a portion of the fees to the establishment according to the terms specified at the time of certification.

LABOSEM provides a list of FNAMS correspondents for the certification of sampling agents and sample collection, organized by production sectors.

Additional sorting and reanalysis (upon request)

Additional sorting for standardization testing

for purity: additional sorting and new purity analysis.....	€57.29
for germination: additional sorting and new purity and germination analyses.....	€80.21
Reanalysis of germination only	€38.78



Individual analyses

Microcleaning analysis

Microcleaning according to standard protocols	€49.36
1 additional machine beyond the standard sorting protocol (depending on the species).....	€24.68
2 additional machines beyond the standard sorting protocol (depending on the species).....	€44.07
Grading (by caliber range)	€12.78

The laboratory can also adjust the sorting protocol to meet the client's needs.

Purity analyses

Determination on a sample weighing the equivalent of 2500 seeds of the percentage by weight of pure seeds, inert matter, and seeds of other plants, according to ISTA rules. Analysis conducted on untreated/uncoated seeds and on a sorted sample. Please contact us for specific purity analysis on raw seed lots.

Grasses (except for the species listed below).....	€34.37
Grasses (see below).....	€42.31
<i>(Timothy grass, Agrostis, Couch grasses, Bluegrass, Brome grasses, Panics)</i>	
Legumes (except for the species listed below).....	€33.49
Legumes (see below).....	€39.66
<i>(T. de Perse, T. hybride, T. Micheli, Anthyllis, Coronilles, Psoralée, Sesbania, Cassia tora, Serradelle)</i>	
Cereals	€31.73
Protein crops	€21.15
Fodder Cabbage and Radish, Mustards, Rapeseed, Turnip Rape, Camelina	€35.26
Sunflower, Chia, Flax, Monoecious Hemp	€26.44
Vegetable and Industrial Beets	€24.68
Vegetables, Aromatics, and Flowers	€24.68
Vegetables, Aromatics, and Flowers (½ ISTA weight)	€21.15
Vegetables, Aromatics, and Flowers (purity weight < 3g)	€39.66
Vegetables, Aromatics, and Flowers (purity weight < 3g, ½ ISTA weight)	€26.44

For other species, please contact us directly



Other Seed Determination

Determination by count of all or part of the foreign species in a sample with a weight equivalent to 25,000 seeds (ISTA weight) or based on a weight defined by the requester. Counts are performed on cleaned and untreated / uncoated seeds. Please contact us for counting analysis on uncleaned lots.

Other seed determination listed in Technical Regulations

Legumes except species below (wild oat, dock, dodder).....	€37.90
Legumes Vetches, Vicia Peas, Fenugreek (wild oat, dock, dodder).....	€22.04
Grasses (wild oat, dock).....	€22.04
Soybean (wild oat, dodder, nflower).....	€22.04
Cereals (all foreign species).....	€52.88
Mustards, Rapeseed, Turnip Rape (wild oat, dock, wild radish).....	€52.88
Fodder Cabbage and Radish (wild oat, dock).....	€22.04
Sunflower, Chia, Flax, Monoecious Hemp (all foreign species).....	€44.07

Full Counting (All Foreign Species)

Large-seeded Legumes and Protein Crops	€22.04
Sunflower, Chia, Flax, Monoecious Hemp, Cucurbits	€44.07
Cereals, Lupins	€52.88
Fodder Cabbage and Radish, Mustards, Rapeseed, Turnip Rape, Camelina	€52.88
Quinoa, Silphium, Tobacco	€149.84
Grasses (except species listed below).....	€176.28
Grasses (Brome, Fescue, Tufted Hairgrass, Festulolium, Koeleria).....	€220.35
Grasses (Timothy, Agrostis, Couch grass, Kentucky Bluegrass, Foxtail, Panicum).....	€264.42
Legumes (Bengal Hemp, Fenugreek, Vicias, Alfalfa, Minette, Sainfoin, Crimson Clover, Vetches).....	€176.28
Legumes (Bird's-foot Trefoil, Melilots, Serradella, Other Clovers except exceptions).....	€220.35
Legumes (Persian Clover, Hybrid Clover, Micheli Clover).....	€264.42
Fine Vegetables, Aromatics, and Flowers (OSD weight > 30g)	€149.84
Fine Vegetables, Aromatics, and Flowers (OSD weight < 30g)	€264.42

Sclerotia Counting (on cereals, sunflower, rapeseed, turnip rape, mustard).....	€17.63
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Other Seed determination Services	Contact us
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Germination

Determination of the percentage of normal seedlings, abnormal seedlings, and ungerminated seeds under optimal germination conditions (ISTA method). Note: LABOSEM may offer discounted rates for processing large volumes of samples (>500).

Tests Performed on 400 Seeds:

Species tested on flat paper	€38.78
<i>(Most species)</i>	
Species tested on pleated paper (100-seed replicates)	€49.53
<i>(Main species: beet, cucumber, coriander, spinach, fennel, melon, onion, parsnip, chard, pepper, chili, radish, etc.) (1)</i>	
Species tested on pleated paper (50-seed replicates).....	€60.29
<i>(Main species: cucurbits, etc.) (1)</i>	
Species tested in sand or substrate (except exceptions).....	€56.41
<i>(Main species: bean, sweet corn, pea, etc.) (1)</i>	
Species tested in sand or substrate	€59.94
<i>(Species: fava bean, chickpea, runner bean, etc.) (1)</i>	

Tests Performed on 200 Seeds:

Species tested on flat paper	€30.85
<i>(Most species)</i>	
Species tested on pleated paper (100-seed replicates).....	€36.23
<i>(Main species: beet, cucumber, coriander, spinach, fennel, melon, onion, parsnip, chard, pepper, chili, radish, etc.) (1)</i>	
Species tested on pleated paper (50-seed replicates)	€41.60
<i>(Main species: cucurbits, etc.) (1)</i>	
Species tested in sand or substrate (except exceptions)	€38.78
<i>(Main species: bean, sweet corn, pea, etc.) (1)</i>	
Species tested in sand or substrate	€41.43
<i>(Species: fava bean, chickpea, runner bean, etc.) (1)</i>	

(1) Non-exhaustive list of species – please contact us for further details.



Other tests

Moisture Content – Small Seeds (no grinding).....	€14.98
Moisture Content – Large Seeds (with grinding).....	€22.04
Thousand Seed Weight (TSW) for Large-Seeded Species (mechanical counting).....	€14.10
Thousand Seed Weight (TSW) for Small-Seeded Species (manual counting).....	€25.56
Dust Test (Heubach method).....	€51.12
Germination Tests under Stress Conditions	Contact us
Accelerated Aging Test	Contact us
Additional Germination – Embryo Test (200 seeds) for Sugar Beet	€10.58
Additional Germination – Embryo Test (400 seeds) for Sugar Beet	€17.63
Additional Germination Energy (200 seeds)	€11.02
Additional Germination Energy (400 seeds)	€19.39
Additional Poly-germination Test for Sugar Beet (200 seeds)	€11.02
Additional Poly-germination Test for Sugar Beet (400 seeds)	€19.39
Additional pure seeds preparation for germination test (200 seeds)	€11.02
Additional pure seeds preparation for germination test (400 seeds)	€19.39
Mixture Composition Analysis	Contact us
Specific Purity Analysis of a Mixture	Contact us
Germination Analysis of Mixture Components	Contact us
Full Sample Return (charged only between July and January)(1).....	€10.58
Partial Sample Return (charged only between July and January).....	€27.32
Photo Board of Micro-cleaning Waste	€20.27

(1) In accordance with the General Terms and Conditions of Sale, when requesting the return of the full sample, the client waives their right to make a claim.



Services

Cleaning and Processing of Small Seed Lots On request



LABOSEM is certified by ECOCERT for the sorting of seed lots from organic farming (activity: processor).

Analyses / Preparation of Experimental Samples On request

LABOSEM offers services specifically tailored for researchers and experimental studies. The techniques used can be either standard methods or custom-developed methods designed for the client. Examples of services provided include: Preparation of seed lots/doses for sowing (TSW, seed treatment, etc.) Creation of lots with specific characteristics (incorporation of ergot, weed seeds, etc.) Sorting of seeds or grains according to experimental themes (Fusarium, desiccants, pollination, etc.) Measurement of yield components (threshing, grain/straw weighing, specific weight, etc.) Dry matter / Moisture content / Quantification of infested, broken, or germinated grains, etc. Treated seed conservation tests, germination tests under stress conditions, emergence kinetics, etc. Lab screening and impact of plant protection products/formulations on germination quality.

Methodological Studies (sorting, germination, etc.)..... On request

Sorting Diagram Research On request

Contact: flore.pavy@labosem.fr

Formation

Training Session Facilitation

Training in weed seed identification Contact us

Practical training in analysis techniques (specific purity, germination) Contact us

Contact: contact@labosem.fr



Methods

For micro-cleaning, there are no standardized methods. Standard flow diagrams are defined based on the laboratory's expertise and are available upon request. For Specific Purity, Counts, Germination Capacity, Moisture Content, and Thousand-Seed Weight analyses, the laboratory uses methods referenced in the **International Rules for Seed Testing by ISTA** (the number of seeds analyzed for germination may vary depending on species and sowing techniques – please contact us for further details). Detailed information on methods and analysis conditions is available upon request. Specific methods may also be used upon request and in agreement with the client.

COFRAC / ISTA Accredited Tests

Count and Specific Purity: limited to analyses performed on ISTA sample weights, excluding coated or treated seeds and seed mixtures.

Germination Capacity: limited to analyses performed on a sample size of 400 seeds, excluding coated or treated seeds and seed mixtures.

Analyses performed after micro-cleaning at the laboratory cannot be issued with a COFRAC or ISTA certificate.

Get in touch !

This price list is not exhaustive of all the services that can be offered by the laboratory. Feel free to contact us for any clarification regarding a specific species or for any needs not listed in this document. Our team will be happy to assist you with any request. You can reach us at contact@labosem.fr or, if you wish to contact a specific department, please use the addresses listed below:



Seed tests

julie.denni@labosem.fr



R&D and sorting

flore.pavy@labosem.fr



Other requests

contact@labosem.fr



VISIT US

AT OUR SITE



Our team will be happy to help!

More Info



Phone Number:
+33 241689350



Website:
www.labosem.fr

www.labosem.fr

LABOSEM

Impasse du verger

49800 BRAIN SUR L'AUTHION

FRANCE