



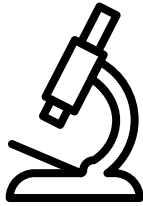
2024/25



SEED TESTING Price List

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The catalogue provides pricing and information about our main services, which are divided into three groups.



Seed testing

LABOSEM offers a wide range of tests to evaluate the physical and physiological quality of clean or raw seed batches

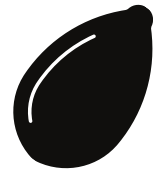
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R&D

The R&D department can offer support for customers' research projects.

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Seed cleaning

The cleaning facility can process small seed batches using cleaning protocols specifically tailored to each batch.

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Sample processing and certificates

The following catalog provides an outline of the price per sample for a non-exhaustive list of tests offered by LABOSEM. A handling fee is added to these costs related to sample processing. Additionally, depending on the format and type of test certificate required, extra costs may apply.

Handling fee per sample..... 4.41 €

This fee includes sample processing and a standard LABOSEM results certificate in French or a COFRAC certificate in French (ISO 17025), if the test falls within the scope of the laboratory, microcleaning is not required, and it is specified on the request form by the customer.

ISTA certificates (OIC or BIC in English)..... 22,27 €

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

Urgent request..... 8.81 €

Provisonnel certificate for complete analyses..... 5.29 €

see raw seeds section for more details

In the case of ISTA OIC request, the sample must be provided to LABOSEM by an entity that is accredited by ISTA for the sampling processus. The lab can assist you in identifying the nearest ISTA accredited entity close to you.

LABOSEM is also a NAL authorised subcontractor. If you wish to use the lab as such, please contact the lab before sending samples.



Tests On Raw Seeds

LABOSEM can conduct a wide range of tests on samples taken from raw seed batches



Raw seed batches

LABOSEM offers a range of tests conducted on raw seed batches. Initially, these tests were developed to meet French regulatory requirements. However, they are now often performed as part of seed batch approval procedures, following a framework governed by standards provided by the customer. The lab can customize criteria, cleaning protocols, and testing thresholds to meet our customers' specific needs. Today, these tests are carried out for clients across several European countries.

“Complete” tests

In essence, a "complete test" on raw seeds allows for the determination, from a representative sample, of both the quantity and quality of the seeds. This can:

- Assist in determining machine settings for the full industrial cleaning process
- Identify batches that may pose issues during industrial processing
- Provide solutions to improve purity or germination rates in lower-quality batches
- Serve as the basis for calculating payment owed to the seed grower

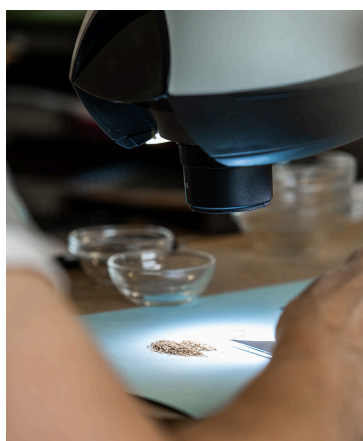
Typically, these tests consist of several individual assessments

Main tests include:



Microcleaning

Sorting protocols on micromachines to predict the rate of waste



Purity & OSD

Standard or adapted purity, OSD, TSW, moisture and other tests of physical quality



Germination

Standard ISTA germination tests or tailor-made essays adapted to the customer's needs.



Complete tests on raw seed

Here we present grouped pricing includes the following elements:

- Preparation of the working sample,
- Determination of the waste rate through micro-cleaning,
- Specific Purity analysis after micro-cleaning,
- Counting of impurities or foreign seeds as required by the SEMAE technical regulations for certified seeds (depending on the species)*,
- Germination Capacity analysis.

Additional analyses (Thousand Seed Weight, moisture, calibrations, etc.) can be added upon request and will be billed separately.

Forage and Lawn Grasses..... 113.70 €

Forage Legumes

- Small seeds (Alfalfa, Red Clover, Persian Clover, Crimson Clover).....127.81 €
- Vetch..... 113.70 €
- Forage Peas..... 92.55 €
- Sainfoin..... 121.62 €

Protein Crops..... 87.26 €

Vegetables and Flowers

- Large seeds (peas, beans, broad beans).....115.47€
 - Small seeds
- | | |
|---|----------|
| Micro-cleaning carried out with 3 machines..... | 90.79 € |
| germination on pleated paper..... | 101.35 € |
| Micro-cleaning carried out with 4 machines..... | 115.47 € |
| germination on pleated paper..... | 126.03 € |
| Micro-cleaning carried out with 5 or more machines..... | 143.67 € |
| germination on pleated paper..... | 154.23 € |

For the same species, the number of machines used depends on the waste load of the sample and the sorting difficulties due to the presence of weed seeds. The applicable price will correspond to the actual number of machines used for the analysis. Industrial Beets and Chicories



Beet and Chicory

Industrial and Forage Beet (includes germination capacity of the seed).....	135.73 €
Industrial Chicory.....	96.96 €

Cereales

Wheat, Barley, Triticale, Cultivated Oats, Rye (2).....	156.01 €
Rough Oats (2).....	184.22 €
Buckwheat.....	145.42 €

Other species

Forage Kale.....	106.66 €
Forage Radish.....	117.22 €
Rapeseed, Turnip, Mustard (2).....	147.20 €
Sunflower (2).....	147.20 €
Flax	136.61 €
Hemp.....	136.61€

(2) Prices include the detection of sclerotia

*The prices provided for complete analyses on raw seed samples are based on an OSD test limited to the species listed in the French technical regulations for seed production. The lab can however adjust the range of foreign species included in this part of the test. However, we encourage customers to contact us directly before sending samples to establish the test parameters and communicate the corresponding price.

Individual tests on raw seed

Microcleaning

Microsorting analysis is always followed by a purity analysis of the sorted sample, which is charged extra.

Microsorting according to the standard cleaning protocols.....	47.60 €
1 additional machine in addition to the standard diagram (depending on species).....	24.68 €
2 or more additional machines, in addition to the standard diagram (depending on species).....	52.88 €

The lab can also adapt the cleaning protocol to match the customers needs

Processed Seed Testing

LABOSEM can conduct a wide range of tests on samples taken during or after the seed processing phases



During or after the cleaning process

LABOSEM also provides a wide range of tests on clean or processed seeds. These tests offer quality control during the seed processing steps and allow customers to check the quality of batches they have recently purchased or assess the impact of storage on a given batch. The lab holds several accreditations for these tests, including ISTA, ISO 17025, and is also a NAL-authorized subcontractor.

The scope of the lab's accreditations can be found using the following links:

- ISTA: <https://www.seedtest.org/en/membership/labosem.html>
- COFRAC (ISO 17025): www.cofrac.fr accreditation number 1-6082

Clean samples

The lab can assist you with your quality checks during seed processing, after batch purchasing, or to assess the impact of storage on seed lots.

Please contact the lab directly for information regarding its scope as a NAL-authorized subcontractor.



Accreditation

N° 1-6082

scope

available on

www.cofrac.fr



PURITY TESTS

Purity tests allow for the determination of the percentage (weight /weight) of pure seeds, inert matter and seeds of other plants on ISTA and are carried out on a sample that weighs the equivalent of 2500 seeds.

Cereals and protein crops.....	17.63 €
Small seeds Fodder legumes.....	31.73 €
Forage grasses, English rye grass, red fescue	31.73 €
Turfgrasses (except English rye grass and red fescue)	45.83 €
Vegetables and flowersl (except small seeds)	21.15 €
Small seeds vegetables and flowers (ISTA weight<3g)	42.31 €
Small seeds vegetables and flowers (ISTA weight<3g), analysis on 1/2 ISTA weight.....	21.15 €
If for other species please contact us idectly	

OSD (OTHER SEED DETERMINATION)

LABOSEM offers other seed determination tests, which can either focus on a limited number of foreign species specified by the customer (limited test) or provide a comprehensive analysis covering all foreign species present. For pricing details, please contact us directly.

OTHER TESTS

Germination tests under stress conditions (for cereals).....	88.14 €
Moisture tests	
small seeds.....	14.10 €
large seeds (with grinding).....	21.15 €
with predrying (for humid seeds).....	3.53 €
Accelerated aging test	70.51 €
TSW	
small seeds	28.24 €
large seeds	12.34 €
Dust test	51.12 €



Germination Tests

The analysis includes the following services:

- Germination test: Determination of the % of normal seedlings, abnormal seedlings and non-germinated seeds in optimal germination conditions (ISTA method).
- Results provided in the form of an analysis report

Tests run on 200 seeds:

Species analyzed on top of paper 29.09 €
Most species

Species analyzed on pleated paper (in repetition of 100 seeds) 34.37 €
Main species: beet, cucumber, coriander,
spinach, fennel, melon, onion, parsnip,
Swiss chard, bell pepper, chili pepper, radish,...(1)

Species analyzed on pleated paper (in repetition of 50 seeds)..... 39.65 €
Main species: cucurbits...(1)

Species analyzed in sand or soil (excluding Broad bean, chickpea,...)..... 37.02 €
Main species: bean, sweet corn, peas...(1)

Species analyzed in sand or soil 39.66 €
broad bean, chickpea, runner beans...

Tests run on 400 seeds:

Species analyzed on top of paper 37.02 €
Most species

Species analyzed on pleated paper (in repetition of 100 seeds) 47.58 €
Main species: beet, cucumber, coriander,
spinach, fennel, melon, onion, parsnip,
Swiss chard, bell pepper, chili pepper, radish,...(1)

Species analyzed on pleated paper (in repetition of 50 seeds)..... 58.14 €
Main species: cucurbits...(1)

Species analyzed in sand or soil (excluding Broad bean, chickpea, ...)..... 54.65 €
Main species: bean, sweet corn, peas...(1)

Species analyzed in sand or soil 58.17 €
broad bean, chickpea, runner beans...

(1): Non-exhaustive list of species - please contact us for any clarification

LABOSEM can offer discounted rates when processing a high volume of samples (>500).

R&D

LABOSEM can provide support for your R&D projects.



LABOSEM has a dedicated department focused on developing methods and tests to meet the specific needs of our customers. We can provide comprehensive support throughout the project lifecycle, from conducting feasibility studies to the implementation of tailored protocols that align with each client's requirements.

Our team works closely with clients to create efficient and innovative solutions, whether it's developing new testing methods, optimizing seed cleaning processes, or adapting procedures to specific species or conditions.

Some examples include:

- Analysis of seed batches from experimental plots
- Separation of species produced in co-cultures
- Handling contaminated seed batches for pathology trials (e.g., concentrating fusarium-infected wheat grains to re-contaminate future test plots)
- Assessment of pest damage on seed batches (e.g., peas, field beans, or lentils)
- Optimizing seed cleaning procedures for specific species
- Developing optimal germination methods for new species
- Yield evaluation

Main tests include:



Identification

of optimal growth conditions for rare species



Optimisation

of seed sorting protocols using our micromachines



Yield assesment

of various species based on customer's guidelines

Seed Cleaning

Cleaning services for small or high value seed batches

The lab's cleaning facility is equipped with approximately 30 sorting machines and devices, which are scaled-down models of their industrial counterparts. Due to their size, these machines are particularly suited for handling small seed batches, often of high value and too small (ranging from a few grams up to 500 kg) to be processed on industrial-scale lines.



LABOSEM can carry out a full cleaning process on raw seed batches using sorting diagrams either provided by the customer or specially designed by its team for the specific batch. These processes can range from initial threshing to specialized finishing steps.



The facility is equipped with advanced machines, including gravity separators, magnetic sorters, and optical sorters, allowing LABOSEM to offer solutions for batches that are otherwise difficult to clean. In some cases, these machines can also improve the germination capacity of the seed batch. The lab's cleaning facility is equipped with 5 machines and a large array of sorting grids and can therefore carry out size-grading on a wide range species. Size grading according to weight/density can also be carried out using air columns and/or gravity sorting tables.

This service can be provided on clean seed batches or be carried out as an additional step on batches that are cleaned from strach by the lab's cleaning facility.

The lab's cleaning facility has put in place procedures that guarantee the separation of organic and conventional batches during sorting and cleaning. 64% of the sorting that is carried out by the facility comes from organic production.



Get in touch!

Our team will be happy to help you out with and requests. You can either contact us at contact@labosem.fr or if you wish to contact a specific department please use the addresses provided below:



Seed Tests

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R&D

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Other requests

alan.walton@labosem.fr



VISIT US

AT OUR SITE



Our team will be happy to help!

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LABOSEM

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