

The Plant Products Quality Testing Laboratory (Division) (hereinafter – Laboratory):

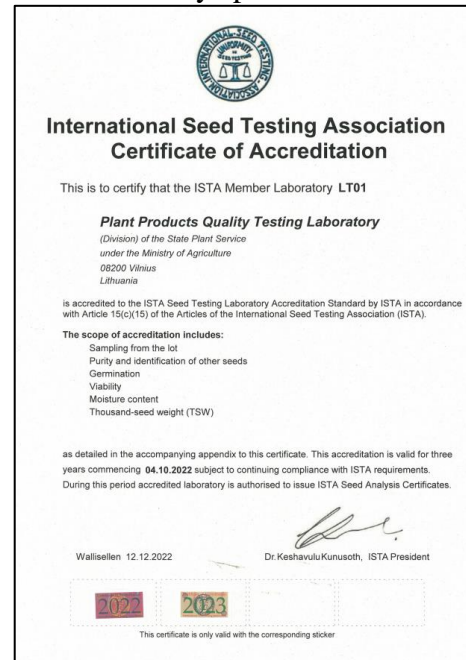
- ✓ issues licenses to perform the operations on the licensed warehouse;
- ✓ controls licensed warehouses designed to store grains;
- ✓ controls the operators (grain buyers);
- ✓ administers the network of the Lithuanian grain analysers;
- ✓ certifies the laboratories of grain buyers;
- ✓ performs quality control of received and stored grains as well as grains of the state reserve and sold as an intervention purchase;
- ✓ performs quality tests of the plant varieties as well as annual grain crop and arbitrage tests;
- ✓ analyses the quality of samples of cereal and pulses, grains, their products, and oilseeds delivered by the operators.

Lithuania has developed a network of grain analysers with 130 devices operating in various Lithuanian grain purchasing and processing companies. Moreover, the performance of these grain analysers is based on the method of Near-infrared spectroscopy (NIRS).

The Laboratory performs tests on:

- moisture content,
- mass per hectoliter of material,
- protein content,
- sedimentation index,
- wet gluten and gluten index,
- falling number test,
- starch content,
- oil content test,
- determination of impurity content,
- fiber content,
- determination of the mass of 1000 grains,
- impurities with insects and other tests.

The specialists of the Laboratory also determine alveograph properties of dough and content of mycotoxins. The results of certification and competence supervision conducted by The Grain and Feed Trade Association (GAFTA) ensure the competence of laboratory specialists.



To put in place the quality assurance of the plant propagating material, the Laboratory was accredited by the International Seed Testing Association (hereinafter - ISTA) in 1993. The Laboratory ensures the evaluation of the quality of the certified agricultural plant seeds according to the ISTA Rules. The Laboratory is the one and only accredited laboratory in the country which performs quality tests for the seeds. This accreditation ensures that the laboratory procedures follow the general requirements and allows to issue the ISTA certificates for seed lots or seed samples. The most important accredited seed quality tests are purity, germination, viability, determination of other seeds by number, moisture content and the weight of 1000 seeds. The Laboratory also has an accreditation for seed sampling from the seed lots.

The plant product quality tests performed in the Laboratory follow the methods described in Lithuanian national or European standards, GAFTA, and ISTA Rules, which are used worldwide, thus, the results of the tests performed in the Laboratory are recognized in more than 80 countries. Due to this reason, the Laboratory provides the appropriate conditions for Lithuanian exporters of plant products to compete in the international market. Procedures conducted in the Laboratory meet the quality management system requirements according to the standard LST EN ISO 9001:2015.

Regional Divisions of Kaunas and Šiauliai carry out seed quality tests only according to requests submitted by operators.

Specialists of the Plant Products Quality Testing Laboratory (Division) and Regional Divisions of the State Plant Service train and supervise the authorised samplers who take seed samples from the lots intended for certification by the procedure approved by the Director of the State Plant Service. After evaluating the activities of the laboratories of business enterprises, the available resources, and the compliance of the implemented quality management system with the established requirements, the right to conduct seed quality tests is also granted to the laboratories authorised by operators. The laboratory specialists carry out official supervision of the activities of the authorised laboratories by controlling a certain part of the testing of the seed lots intended for certification and conducting in. The competence of the laboratory specialists is confirmed by excellent comparative tests results of the international interlaboratories.

Where to apply?

**THE STATE PLANT SERVICE UNDER THE
MINISTRY OF AGRICULTURE
Plant Quality Testing Laboratory (Division)**

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Webpage <https://vatzum.lrv.lt/>.

On the issues of plant propagating material
quality testing

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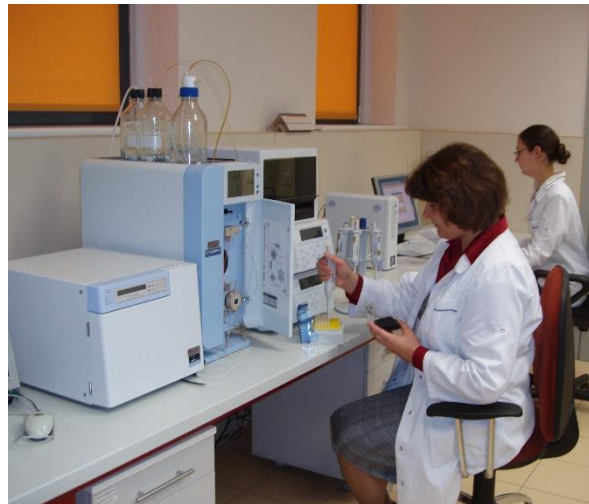
On the issues of grain and other plant products
quality testing

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All who want to analyze the quality of propagating material, grain and its products, oil seeds, raw material may apply to the **Plant Products Quality Testing Laboratory (Division)**.



**STATE PLANT SERVICE UNDER
THE MINISTRY OF
AGRICULTURE**

**PLANT PRODUCTS
QUALITY TESTING
LABORATORY
(DIVISION)**



**Vilnius
2024**