



Analysis of oilseeds



Raw material for edible oils, animal feed and biodiesel – quality assurance for safe consumption, efficient feed and sustainable energy production

Oilseeds such as rape and sunflowers dominate the landscape in spring and summer with their bright blossoms. The seeds of oil-bearing crops are important agricultural economic and trade goods worldwide. They are an essential part of the energy-supplying food and fodder components. An important technical application is rapeseed oil in the form of biodiesel as an environmentally friendly alternative to mineral oil fuels.

Ensuring the required harvest quality requires regular analytical tests. Quality control starts with the farmer. The soil conditions and the nutrient requirements of the crops have a significant influence on growth and ultimately the yield.

Analytical support by our laboratory AGROLAB Agricultural Centre in Leinefelde

We offer farmers, producer cooperatives and agricultural advisors soil analyses with high precision

Soil tests to optimise fertilisation (spring and autumn):

- + Macronutrients (ph, P, K, Mg)
- + Micronutrients (Mn, Zn, Cu, B, Na)
- + N_{min} analyses
- + Analysis of all fertilisers



and give fertiliser recommendations based on the determined nutrient requirements. With GPS-controlled fertiliser spreaders, the optimal amounts for the respective crop and time of vegetation can be added to the soil with pinpoint accuracy. This not only protects the groundwater, but is also easy on the farmer's budget.

During or shortly after the harvest of the oilseeds, the farmer wants to know whether his months of work and the investments made will pay off in high quality and thus in a fair price at the collection traders.



Your plus:

- + Qualified, highly motivated and friendly employees
- + State-of-the-art highly efficient analytical technology and secured measurement
- + capacity reserves in the event of a crisis through strategic AGROLAB site redundancies
- + Sample acceptance and order processing by all AGROLAB food laboratories
- + Comprehensive quality assurance and user-friendly IT solutions (ALOORA)
- + FOSFA, GMP+ and QS-recognised analytics
- + Well-networked experts and active participation in international expert committees and standardisation committees secure our and your knowledge advantage.



Crop analyses are a matter of trust. In addition to analytical competence, they require a high level of responsibility towards the farmer and the trader. That is what AGROLAB stands for!

Quality assurance - from the field to the trough and onto the plate

The FOSFA seal of quality is of great importance for the collection trade and its customers, the domestic oil mills or importers and exporters of oilseeds. It not only confirms that the product meets the FOSFA

quality criteria, but also shows that the product has been tested by a recognised laboratory according to FOSFA methods. This not only creates the greatest possible security and trust for all those involved across production stages and national borders, but also reduces costs in quality assurance. With a FOSFA seal, the scope of subsequent analytical tests can be reduced to spot checks.



Quality tests for oils, fats and oilseed by-products (FOSFA):

- + Oil content*
- + Foreign matter*
- + Humidity*
- + Free fatty acids content*
- + Crude protein content*
- + Erucic acid*, oleic acid*, linolic acid*, linoleic acid*
- + Contaminants (e.g. mineral oil hydrocarbons (MOSH/MOAH), 3-MCPD/glycidyl esters, dioxins/PCBs, PAHs, mycotoxins, pesticides, solvents, PFAS, ETO, and plasticiser residues (e.g. phthalates); heavy metals)**



Kontakt:

AGROLAB Agrarzentrum GmbH
Zeißstraße 19
37327 Leinefelde
Germany
+49 3605 53301-00
leinefelde@agrolab.de

AGROLAB Dr. Verwey B.V.
Oosteinde 3
2991 LG Barendrecht
The Netherlands
+31 10 8080450
sales@drverwey.nl

* At the AGROLAB Agricultural Analysis Centre in Leinefelde all other field products, e.g. cereals, pulses and specialities such as hops, are of course analysed.
** At AGROLAB Dr. Verwey BV in Barendrecht with the highest level, all other field products, e.g. cereals, pulses are of course analysed.
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