



Guidelines for Sampling, Sample Size and Transport

At this place we would like to give some important guidelines on sampling and transportation of samples to our laboratory. Since DNA and protein analysis are highly sensitive testing methods even a minute contamination during sampling and packaging of the analytical sample may cause false-positive results under certain conditions.

Following the notes described below unwanted influences on the analytical results can be avoided.

Sample Size

In general the following sample size shall be submitted for the analysis:

- whole kernels and seeds (corn ca. 1000 g; soya ca. 700 g; canola ca. 40 g; for other plants, please contact us)
- rough sample materials (e.g. pellets) ca. 100 g
- flours and starch products ca. 100 g
- lecithine / oils ca. 50 g
- other homogenous products in general provide ca. 100 g (for liquids ca. 100 ml)
- samples for bacterial analysis ca. 50 g, for viral analysis ca. 100 g of solid samples or 1 l for liquids –for detailed information's about specific requirements please contact us directly
- for significantly larger quantities > 1 kg extra-costs will be charged (30,- € net, Art. D0002)

Sampling

- For representative sampling use the established international standards (ISTA, ISO 6644 and 13690).
- To achieve representative sampling, take a sufficient number of increments from the production lot and combine these increments to form a bulk sample which is submitted for analysis.
- Use only new and unused sample containers. Use stable plastic bags (twice) or breaking-safe plastic beaker with screw-clamp as containers. Close the containers immediately after the sampling.
- All equipment used (e.g. spatula, spoon, funnel) shall be cleaned before the sampling process.
- The outside of the sample containers shall never come in contact with the sample materials.
- Avoid the development of dust during the sampling process; these samples have to be taken at the end of the sampling process and shall be wrapped with an additional plastic bag.
- Label all containers with samples with a waterproof marker or with previously prepared labels.

Transport

- Safely pack the samples for the transport to avoid any leakage or damaging.
- All perishable samples have to be cooled. For virus analysis please dispatch the samples using dry ice.
- Please mark samples clearly which require a specific precaution (safety standard S1, S2).