Certainty within minutes. rapidust® mycotoxins.
The challenge:

- Mycotoxins occur heterogeneously distributed throughout grain lots, thus complicating the correct assessment of contaminations in larger quantities.
- Representative sampling is the key success factor for correct assessments of grain lots. Commonly, such procedures are extremely time and labor-intensive.
- To ensure reliable results, it is essential to carry out time-consuming grinding and homogenization of large aggregate samples – even for on-site analysis.
- Due to their toxicity, even trace amounts of individual mycotoxins need to be detected. Here, conventional rapid tests often reach their limits.

The rapidust® solution:

- **Representative dust sampling**
- **Simple analysis**
- **Reliable results within minutes**

**Sampling and analysis in the shortest possible time!**

- Easy-to-use on-site application
- Suitable for large grain lots
- Reliable results even in the case of low legal limits
Simple, fast and representative sampling
Directly at the lorry, silo, ship or as an in-process control
Every lot size can be analysed – whether it is 10 or 50,000 tons

Risk reduction through representative dust samples.
Dust forms every time grain is handled and transported. Using the patented rapidust® process, these dust particles are simply and conveniently collected by suction. Their mycotoxin contamination can be reliably correlated with the concentration of the entire lot.

Simple and sensitive on-site analysis.
There is no longer any need for grinding thanks to rapidust®. The dust is directly extracted and analysed by means of a rapid test. The natural accumulation of mycotoxins in dust renders the procedure extremely sensitive – even in the case of low maximum limits.

Reliable results for rapid decisions.
Thanks to the easily understandable traffic-light system, the rapidust® app allows for fast decisions on approval and process control. The server-based database system supports long-term monitoring and a centralised quality management.

Certainty within minutes:
- Simple, fast and representative sampling
- Directly at the lorry, silo, ship or as an in-process control
- Every lot size can be analysed – whether it is 10 or 50,000 tons
- No grinding necessary
- Simple and sensitive strip test
- For maize, wheat, rye and similar grains
- Certainty on the level of contamination in the entire grain lot within minutes
- For quick approval and certificates of conformity
- For intelligent grain management
The rapidust® portfolio at a glance:

**Sampling system**
- Mobile or fixed process-integrated device
- Modularly extendible
- Individually adjusted to the conditions on site

**Rapid test kits**
- Lateral-flow immunoassay test strips
- In kit format for simple extraction with water
- Test strips for numerous toxins with regulated maximum limits available, for example, deoxynivalenol (DON) or aflatoxins

**Analytical unit**
- Reader for quantitative interpretation of test strips
- Tablet PC including the rapidust® app with traffic-light function
- Server-based data management system

**Laboratory equipment and consumables**
- Starter packs
- Laboratory equipment such as a weighing scale, a microcentrifuge or pipettes
- All consumables required for the test

**rapidust® service**
- System installation, validation and customised training
- Individual technical or analytical solutions
- Adoptions to other foodstuff bulk material and further mycotoxins

**Sampling service**
- Dust sampling carried out by Eurofins sampling specialists
- Conventional sampling of grain samples for reference analyses
- Immediate on-site analysis upon request

**Laboratory service**
- Multi-mycotoxin screening of dust samples
- Confirmatory analysis of grain samples
- Routine performance of all common reference analyses in accredited Eurofins Laboratories
Trust Your Dust.

Discover the benefits of rapidust®.
We would be pleased to advise you on entirely convincing solutions.

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