

Ensuring Food Safety in Food Production

Fast and quantitative Deoxynivalenol (DON) results with HPLC accuracy is now possible. A new fluorescence polarimeter technology combined with robust light technology and micropump allows use in a mobile laboratory without any compromises in accuracy or sensitivity.

The **aokin mycontrol DON** rapid assay measures DON in wheat and other types of grain. The **aokin rapid assay system** provides you with reliable results at HPLC accuracy. Within 6 minutes, including time for sample preparation.



Suitable for the determination of **Deoxynivalenol** in:

Wheat
Corn
Oats
Barley
Rye
Durum
Cereals
Pasta
Feed
DDGS



testing
for **DON**
in **6 min.**

aokin mycontrol DON

Kit for the extraction and analysis of Deoxynivalenol
Including sample preparation.

Limit of detection: 20 µg/kg

Content: 100 tests

Product Code: MY-QC-02-100

aokin mycontrol DON has been designed for testing wheat and other cereals, baby food, and feed pellets and mixtures. The standardized and validated system is easy to learn, with no extensive training required.

The sample needs to be weighed, extracted with a blender, followed by a centrifugation with an **aokin QuickClean** column. The sample vials are then placed into the system and the results are ready within a few minutes.

aokin Fluorescence Polarometer
Designed for use with **aokin mycontrol** Kits
Fluorescence Polarometer and
integrated Autosampler for handling
up to 10 samples simultaneously



fully
compliant with
EC Commission
Regulation (EC)
No 401/2006



Deoxynivalenol (DON or Vomitoxin) is a mycotoxin, which can be found in agricultural crops susceptible to *Fusarium* infections, particularly in corn, wheat, barley and other types of cereals. Mycotoxins are mostly temperature resistant and are therefore not degraded during the food production process.

Effect on human health

Deoxynivalenol is a gastrointestinal irritant. Acute toxic doses cause nausea and vomiting. Deoxynivalenol acts as an inhibitor of the protein biosynthesis. Due to its immunosuppressive effect, the susceptibility to infections increases when contaminated food products are consumed. A teratogenic effect has also been demonstrated.

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