

## *Ensuring Food Safety in Food Production*

Quick and quantitative Deoxynivalenol (DON) results with HPLC accuracy is now possible. The **aokin mycontrol *DON*** rapid assay measures DON in wheat and other types of grain within 6 minutes, including the time for sample preparation.

The **aokin rapid assay system** provides you with reliable results at HPLC accuracy within 6 minutes.



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

*Wheat*  
*Corn*  
*Oats*  
*Barley*  
*Rye*  
*Durum*  
*Cereals*  
*Flakes*  
*Pasta*



**Testing for DON in 6 minutes**

## **aokin** mycontrol **DON**

Kit for the extraction and analysis of Deoxynivalenol  
Including extraction solution and column preparation.

Limit of detection: 20 µg/kg

Content: 100 tests

Product Code: MY-QC-02



**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.

**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. Extensive training is not required. The sample needs to be weighed, extracted with a blender, followed by a 2 minute centrifugation with an **aokin** QuickClean column. For some grains, a filtration step before centrifugation is necessary.

The processed sample is then placed into the fully automated aokin rapid analysis system and the results are ready from start to finish in only six minutes.

The analysis is fully compliant with EC Commission Regulation (EC) No 401/2006.



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