

Ensuring Food Safety in Food Production

The **aokin mycontrolDON** assay allows the rapid and quantitative determination of Deoxynivalenol (DON) in bread wheat and other types of grain, in grains used in cereal production, as well as in raw materials for baby food and diet food products.

Because this test can be performed easily, it facilitates the analysis of individual samples either directly in goods receipt or during the production process. It provides reliable results within 15-20 minutes, permitting the rapid assessment of the quality and value of raw materials.

aokin mycontrolDON is an effective instrument in daily quality control operations, enabling the optimization of your decision processes and contributing to the performance of your company.



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

Wheat
Corn
Oats
Barley
Rye
Durum
Cereals
Flakes
Pasta



aokin mycontrolDON

Test kit for the extraction and analysis of Deoxynivalenol in grain. Includes extraction solution and column preparation.

Limit of quantitation: 10 µg/kg

Content: 5 tests

Order number: MY-0708



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.

EU limits for Deoxynivalenol in food products:

Food categories

Unprocessed grain with the exception of durum wheat, oats and corn	1250 µg/kg
Unprocessed durum wheat and oats	1750 µg/kg
Unprocessed corn	1750 µg/kg
Grains intended for immediate human consumption, cereal flour, bran and vegetable sprouts marketed as finished products for immediate human consumption	750 µg/kg
Pasta	750 µg/kg
Bread, fine pastries, cookies, grain snacks and breakfast cereals	500 µg/kg
Supplementary baby food containing cereals and other supplementary foods for babies and young children	200 µg/kg

In accordance with Regulation no. 1126/2007, Commission of the European Communities

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