

## Ensuring Quality and Efficiency in Animal Feed Production

The **aokin mycontrolZON** assay allows the rapid and quantitative determination of Zearalenone (ZON) in grains, corn and soy products used in the production of animal feed. 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 mycontrolZON** 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  
**Zearalenone** in:

*Wheat*  
*Corn*  
*Oats*  
*Barley*  
*Rye*  
*Triticale*  
*Soy*  
*Silage*  
*Feedstuffs*



## aokin mycontrolZON

Test kit for the extraction and analysis of Zearalenone in cereals.  
Includes extraction solution and column preparation.

Limit of quantitation: 3 µg/kg (wheat)

Content: 5 tests

Order number: MY-0705



### Zearalenon:

Zearalenone (ZON also known as ZEA, RAL or F-2 Toxin) is a mycotoxin frequently detected in animal feed. It can be found in agricultural crops susceptible to *Fusarium* infections, particularly in corn, wheat, barley and other types of grain. Zearalenone acts as an estrogen.

### Effect on animal health:

Zearalenone is a primary toxin considered to cause problems particularly in pig breeding. Depending on the degree of contamination of the feed, it can cause fertility disorders, miscarriage and other breeding problems.

In cases where concentrations of Zearalenone in animal feed exceed 50 µg/kg, hyperestrogenism can be frequently observed. Typical symptoms include enlargement and weight gain of the uterus, disturbed menstrual cycle, pathological changes of the ovaries, pseudo-pregnancies, miscarriage and sterility.

### EU guidance values for Zearalenone in feedstuffs:

#### Primary products in animal feedstuff

Grain and grain products with the exception of corn by-products	2000 µg/kg
Corn by-products	3000 µg/kg

#### Supplementary and complete feedstuffs

Supplementary and complete feedstuffs for piglets and gilts	100 µg/kg
Supplementary and complete feedstuffs for sows and fatteners	250 µg/kg
Supplementary and complete feedstuffs for calves, dairy cows, sheep and goats	500 µg/kg

In accordance with the Recommendation 2006/576/EU

aokin AG · Robert-Rössle-Str. 10 · 13125 Berlin · Germany  
Tel. +49 30 94 89 21 60 · Fax +49 30 94 89 21 61 · info@aokin.com