

## Ensuring Food Safety in Food Production

The **aokin mycontrolZON** assay allows the rapid and quantitative determination of Zearalenone (ZON) in bread wheat and other types of grain, in grains used in cereal production, as well as in raw materials for baby food and diabetic 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 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*  
*Durum*  
*Cereals*  
*Flakes*  
*Pasta*



## aokin mycontrolZON

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

Limit of quantitation: 3 µg/kg (wheat)

Content: 5 tests

Order number: MY-0705



**Zearalenone** (ZON also known as ZEA, RAL or F-2 Toxin) is a mycotoxin which can be found in agricultural crops susceptible to *Fusarium* infections, particularly in corn, wheat, barley and other types of grain. Mycotoxins are mostly temperature resistant and are therefore not degraded during the food production process. Zearalenone acts as an estrogen.

### Effect on human health:

Zearalenone is associated with precocious puberty in children. Due to its estrogen-like effect, it has also an influence on tumor formation in hormone-sensitive tissues (e.g. breast cancer).

### EU limits for Zearalenone in food products:

Food categories	
Unprocessed grain with the exception of corn	100 µg/kg
Unprocessed corn	350 µg/kg
Grains intended for immediate human consumption, grain flour, bran and vegetable sprouts marketed as finished products for immediate human consumption	75 µg/kg
Refined corn oil	400 µg/kg
Corn intended for immediate human consumption, snacks and corn-based breakfast cereals	100 µg/kg
Bread, fine pastries, cookies, grain snacks and breakfast cereals	50 µg/kg
Supplementary baby food containing cereals and other supplementary foods for babies and young children	20 µg/kg

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

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