

Know, what's inside.



GBA GROUP Cereals and Cereal Products



Grains and Cereals – Our Essential Staples

Wheat, maize, and rice are among the most important cereals, followed by rye, barley, oats, and millet, which are all extremely important staple crops for humans. They contain valuable plant proteins, important carbohydrates, and vital fatty acids. The minerals that they contain help promote healthy growth and the variety of B vitamins support the nervous system. The abundance of iron found in cereals can help support the body's metabolic functions. Grains and cereals are some of the most important sources of nutrients for the world's population.

Due to the wide variety of usage for cereals (e.g. bread, pasta, breakfast cereal), a diverse range of legal requirements could apply. Testing for residues, contaminants, or

microbiology is of course also a factor. At the same time, there is a rising demand for certain tests that are necessary due to changing living conditions, such as gluten intolerance or soy protein allergies.

In order to guarantee the quality and safety of grains and cereal products, the GBA Group provides you with comprehensive, expert consulting and numerous product-specific analyses, so that you can gain the assurance you need in order to trade your food products.



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GBA Laboratory Analysis

(Selected services from our portfolio)

Residue and Contaminant Analysis

- Pesticides
- Heavy metals (e.g. lead, cadmium, mercury)
- Polycyclic aromatic hydrocarbons (PAHs)
- Acrylamide
- Mycotoxins
 - Aflatoxins (B1, B2, G1, G2)
 - Ochratoxin A
 - Fumonisin (B1, B2)
 - Zearalenone (ZEA)
 - Vomitoxin (Deoxynivalenol/DON)
 - T-2 and HT-2 mycotoxins
- Furan
- MOSH/MOAH
- 3-MCPD

Further Analyses

- Nutritional value analysis (e.g. Big 7 including fiber analysis)
- Starch
- Vitamins and minerals
- Allergens
- Detection of genetically modified organisms (GMOs)
- Moisture, protein, ash
- Coumarin
- Morphine and codeine
- Impurity analysis (e.g. foreign grain content)

Microbiological Testing

E.g. total plate count, yeast, molds, E. coli, salmonellae, Bacillus cereus

Legal Classification and Assessment

- Consultation on product-specific scope of analysis
- Declaration check for prepackaged goods
- Evaluation of analytical results in terms of food law

Your Benefits

Service

- Consultation on issues concerning food law
- Your own individual GBA contact person
- Project support all the way from sampling to the analytical report
- Express analysis
- Customized IT solutions

Competence

- Employees with long-term experience
- High-level technical and scientific expertise
- Specializations at each lab site
- Fast and smooth order processing

Quality

- Accredited in accordance with DIN EN ISO/IEC 17025:2005
- Continual and successful participation in interlaboratory trials
- Participation in standards committees
- Member of numerous trade associations



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