



Grain & Cereals

Industry-specific analytics and
competent advice



The Challenge

☐ Consumer Expectations

Staple foods become increasingly the focus of public attention. Nowadays, due to increasing nutritional awareness, consumers expect high-quality grain products that do not contain foreign materials, contaminants or residues. Ever-increasing demand necessitates an increase in productivity. Unifying these requirements presents a major challenge for the entire grain industry.

☐ Legislative Requirements

There are few industries that operate on a more global level than the grain industry. Transnational trade flows as well as different national and international regulations and their interpretations, such as the approval of genetically modified organisms (GMOs), require the most up-to-date expert knowledge.

☐ Supply Chains aligned with global quality Standards

Farmers, buyers, logistics specialists, retailers and quality managers bear a high degree of responsibility. Quality must be assured throughout the entire process – from the raw materials in their country of origin right up to on-site product approval.

A competent consulting partner, who knows the requirements of the grain industry and understands the interactions and framework conditions, is essential in order to be able to consistently meet new challenges.

The Eurofins Solution



Industry Experts



Analytics



Additional Service



Comprehensive solutions that are individually tailored to your company

- ☒ Personalised support by industry experts
- ☒ Reliable results on time
- ☒ Support in order to comply with all legal requirements

An Overview of our Expertise



Competent Advice by Industry Experts

Eurofins guarantees the quality and safety of grain and cereals. Eurofins experts from industry-relevant areas form the competence team for grain and cereals. These experts will advise you regarding analytics and quality assurance. State-of-the-art laboratory equipment and latest analysis methods are available to your queries.

- ✓ Expert, competent advice and assessment in accordance with food laws
- ✓ The latest knowledge gained through professional organisation memberships
- ✓ Practically oriented consultation solutions
- ✓ Long-term experience of our industry experts gained from a multitude of projects



Industry-specific Analytics

As a leading provider of laboratory services, Eurofins delivers an individual consultation and the complete range of analyses. Based on this, Eurofins is in a position to be able to respond to all parameters that are relevant to the grain and cereals industry. Own research, development and new methods enable Eurofins to make the latest developments in food testing and food safety.

- ✓ Selecting suitable analysis methods
- ✓ Reliability through the use of state-of-the-art technology and the latest analysis methods
- ✓ Permanent research and method development
- ✓ Specialised analytics for industry-specific products



Additional Services

Eurofins offers a multitude of additional services that go beyond the analytical spectrum. Eurofins OnLine Service (EOL) allows you 24-hour access to your analysis results and the data archive. The global presence of Eurofins helps you to guarantee the quality and safety of your products – from the raw material right up to the end product.

- ✓ Conceptual on-site solutions, certifications and audits
- ✓ Risk and crisis management, monitoring programmes
- ✓ Global supply chain control, sampling and sample logistics
- ✓ Safe and efficient business processes through creation of individual IT solutions





Analytical Scope of Grain and Cereals

Basic Analysis

- Ash
- Moisture
- Impurities
- Nutritional values (e.g. Minerals and trace elements, Amino acids, Vitamins)
- Falling number
- Amylogram

Residues and Contaminants

- Mycotoxins and plant toxins
- Pesticides
- Growth regulators
- Fumigants
- Heavy metals, trace elements and minerals
- PAHs and mineral oil hydrocarbons
- Dioxins and furans, dl- and ndl-PCBs
- Process contaminants (e.g. acrylamide, MCPD esters)
- Radioactivity
- Stockholm POPs

Analysis of Genetically Modified Organisms (GMOs)

- GMO screening
- GMO identification (specific detection of individual or multiple GMOs)
- GMO quantification

Additional Services

Microbiology

- Aerobic Plate Count
- Escherichia coli
- Enterobacteria
- Salmonella
- Moulds and yeast
- Bacillus cereus
- Rapid testing (PCR) for salmonella
- Industrial hygiene inspections
- All common microorganisms and methods

On-site Analyses Using Rapid Tests

- Rapid tests (protein dipsticks) for GMOs
- Patented rapidust® system:
Rapid on-site analysis of mycotoxins in grains

Additional Queries

- Analysis of allergens
- Analysis of packaging materials and migration
- IP / traceability concepts
- International label checks
- Authenticity and proof of origin
- Harvest control
- National and international sampling
- Supply chain control
- Sensory analysis
- Sorting



Further Expertise

Baked goods

Rice & rice products

Animal feed

Beverages

Milk & milk products

Health foods & supplements

Convenience foods

Tea, herbs & spices

Nuts & dried fruits

Fruits & vegetables

Confectionery products

Coffee

Oils & fats

Expertise in Grain and Cereals

Benefit from the outstanding range of Eurofins Services.
We will gladly advise you.

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