



# Coffee

**Industry-specific** analytics and  
competent advice





# The Challenge

## ☐ Consumer Expectations

Coffee is the most popular beverage in Germany and one of the most important commercial goods in the world. Global demand and the diversity of products on offer increase constantly, since coffee is associated with an appetite for life. Terms such as quality, indulgence and taste continue to increase in significance. As a result, consistently high quality is important in order to protect your brand.

## ☐ Product-specific Requirements

Coffee is an agricultural product that has to travel a great distance along trade routes. Contaminants may be included or formed at various points along the value chain, such as growing, storage and roasting. For this reason, the quality of coffee is dependent on several factors that present increasingly significant challenges to distributors, coffee roasters and retailers.

## ☐ Quality Standards from Raw Coffee to the Finished Product

A competent expert advisor, who knows the requirements of the coffee industry and understands the interactions and framework conditions, is essential to be able to guarantee the quality and safety of coffee and to meet the demands of this dynamic market.

# 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 experts from industry-relevant areas form the competence team for coffee and its products. They advise you regarding quality assurance as well as analyses and develop customised and customer-specific solutions. Most of the state-of-the-art laboratory equipment and latest analyses 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 competent to respond to all parameters that are relevant to the coffee industry. Own research and introduction of new methods enable Eurofins to keep pace with the latest developments in food testing and food safety.

- ✓ Selecting of 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 analytical results and the data archive. The global presence of Eurofins helps you to guarantee the quality and safety of your products – from the raw coffee 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 Coffee

## Analysable Products

- Raw coffee
- Roasted coffee
- Instant coffee
- Coffee mixed beverages

## Residues and Contaminants

- Mycotoxins (e.g. ochratoxin A, aflatoxins)
- Pesticides
- Process contaminants (e.g. furan and acrylamide)
- Fumigant residues (e.g. bromide, phosphine)
- Heavy metals (e.g. lead, cadmium, mercury and arsenic)
- Mineral oil hydrocarbons, e.g. from jute bags and other sources

## Sensory Analysis

- Cupping
- Sensory profile (e.g. with flavour, acidity and body)
- Check of specifications against the sensory profile
- Simple descriptive test
- Degree of roast with Agtron – SCAA colour kit
- Foreign matters

## Ingredients

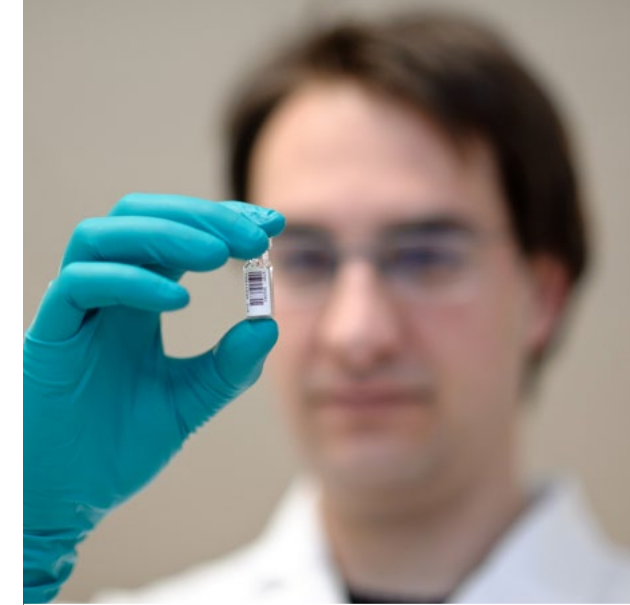
- Caffeine content
- Nutritional values, moisture content using Karl-Fischer titration
- Sugar in instant coffee per AFCASOLE
- Chlorogenic acids

## Food Packaging Analysis

- Packaging analysis in cardboard, plastic and other materials
- Total migration

## Additional Queries

- Authenticity (16-O-methylcafestol, kahweol and cafestol)
- Marketability check
- National and international label check
- Claiming
- Sampling as per EU provisions or the WHO Food Code (according to EU regulation or Codex Alimentarius)
- Consumer studies
- Supply chain control
- Nanomaterials



## Further Expertise

Baked goods

Tea and herbal infusions

Cocoa and chocolate

Beverages

Milk and milk products

Health foods and supplements

Spices and flavours

Confectionery products

Nuts and dried fruits

Fats and oils

Convenience foods

Organic Foods

# Expertise in Coffee

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

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