



# Nuts & Dried Fruits

**Industry-specific** analytics and  
competent advice





# The Challenge

## ☐ Consumer Expectations

The demand on food safety and quality is constantly increasing. Credibility of retailers has a high impact on the purchase decision of the sensitised customer and therefore has a decisive influence on sales. Agricultural products, such as nuts and dried fruits, may contain a wide variety of pesticides and contaminants. Sampling, quality assessment, sensory analysis and classification into quality levels require extensive experience and knowledge of commodities.

## ☐ Legislative Requirements for Nuts & Dried Fruits

Nuts and dried fruits are produced and processed in different countries. The quality can be affected by moisture, pest infestation, foreign odours or heavy metals throughout the entire supply chain. Furthermore, additives could have been added. European and German limit regulations, e.g. for mycotoxins, pesticides and SO<sub>2</sub>, require regular checks, including goods from non-EU countries.

## ☐ Quality Standards along the Global Supply Chain

Farmers, buyers, logisticians, retailers and quality managers bear a high responsibility. Quality must be ensured throughout the entire process – from the raw material in the country of origin to the on-site product approval. In order to meet new challenges at all times, a competent consulting partner, who is aware of the requirements in the area of nuts and dried fruits and understands the contexts and framework conditions, is essential.

# The Eurofins Solution



Industry Experts



Analytics



Additional Services



**Comprehensive solutions that are individually tailored to your company**

- ☒ Personal support by industry experts
- ☒ Reliable results on time
- ☒ Fulfilment of all legal requirements

# Our Expertise at a Glance



## Competent Advice by Industry Experts

In order to ensure the quality and safety of the analysis of nuts and dried fruits, Eurofins joined its industry experts into a competence team. As a result of our memberships in relevant professional organisations such as The International Nut & Dried Fruit Council (INC), our advice and service portfolio are always up to date.

- ✓ Competent expert advice and assessment in accordance with food laws
- ✓ Latest state of knowledge through professional organisation memberships
- ✓ Practice-oriented consultation solutions
- ✓ Industry experts with many years of experience based on numerous projects



## Industry-specific Analytics

As a leading provider of laboratory services, Eurofins offers individual consultation and the complete range of analyses, including a unique range of laboratory parameters. Based on this, Eurofins develops tailor-made and customised solutions involving the latest technology and methods.

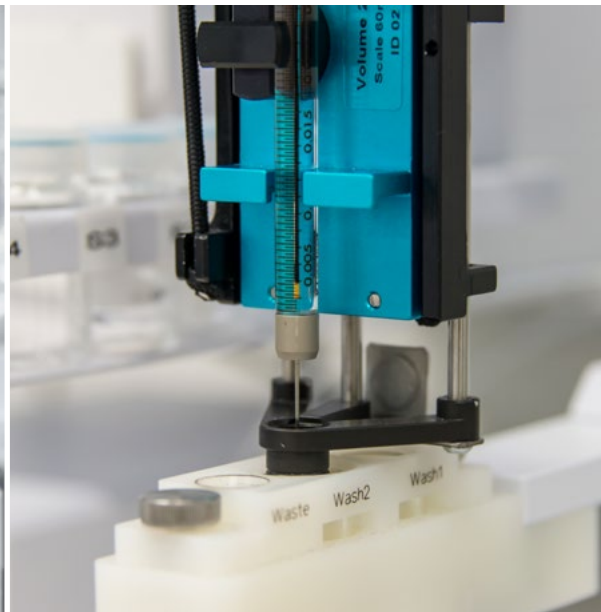
- ✓ Selection of suitable and current analysis methods
- ✓ Reliability through the use of most modern technology
- ✓ Permanent research and method development
- ✓ Specialised analytics for industry-specific products



## On-Site Sampling and Additional Services

To ensure the overall quality, Eurofins also offers numerous additional services that go beyond the analytical spectrum. The global presence of Eurofins enables supply chain control such as on-site sampling, loading checks and food safety inspections in all important import and export markets. This service is also available at the central trading centres in Germany, Belgium, the Netherlands, Turkey and along the Black Sea coast.

- ✓ Global supply chain control, sampling and sample logistics
- ✓ Conceptual on-site solutions as well as certifications and audits
- ✓ Risk and crisis management, monitoring programs
- ✓ Safe and efficient business processes







# Analytical Scope of Nuts & Dried Fruits

## General Analysis

- Ash, protein, fat, moisture
- Nutritional values

## Residues & Contaminants

- Mycotoxins
- Pesticides, fumigants
- Dioxins, furans and polychlorinated biphenyls (PCB)
- Polycyclic aromatic hydrocarbons (PAH)
- Aromatic hydrocarbons (BTEX)
- Solvent residues
- Heavy metals (e.g. cadmium, lead, mercury, arsenic)

## Microbiology

- Total plate count
- Salmonella
- *Bacillus cereus*
- Coliform bacteria, enterobacteriaceae, *E. coli*, EHEC
- Moulds and yeasts
- Spores of sulphite-reducing clostridia

## Special Analyses

- Sulphurous acid and other preservatives
- Detection of irradiation
- Measurement of radioactivity
- Fat indicators
- Hydrocyanic acid

# Additional Services

## Special Queries

- Impurities, pest infestations
- Weight and size regulations
- Crack result
- Optical examination according to UNECE and USDA Standards

## Sensory Analysis

- Descriptive test
- Difference test
- Expert witness of conformity with food law

## Sampling

- In accordance with regulations of the European Union / international standards / customer requirements
- Supply chain control worldwide
- International sampling and sample logistic

## Food Packaging Analysis

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

## Food Regulatory Assessment

- Marketability
- National and international labelling checks



## Further Expertise

- Baby food
- Grain & cereals
- Baked goods
- Beverages
- Milk & milk products
- Dietary supplements
- Wellness food
- Herbs & tea
- Cocoa & chocolate
- Fruits & vegetables
- Confectionery
- Spices
- Oils & fats

# Expertise in Nuts & Dried Fruits

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

[service@eurofins.de](mailto:service@eurofins.de)  
[www.eurofins.de](http://www.eurofins.de)