



Amaranth, Buckwheat, Millet, Quinoa & More

Analyses for the new „power cereals”

Amaranth, buckwheat, millet, sorghum, quinoa, teff grass and other (pseudo) cereals are becoming increasingly popular. Their cereal-like composition, valuable nutrient profiles and – last but not least – the absence of gluten, make them a valuable alternative to classical cereals. Eurofins offers a broad range of analyses and services for (pseudo) cereals. In addition to classical residues and contaminants, such as pesticides, mycotoxins and metals, plant toxins such as tropane alkaloids and pyrrolizidine alkaloids move more and more into the spotlight. Analyses of allergens (gluten), GMO, microbiology, general food analysis and legal assessment complement our service portfolio.

Analytical Range

Residues & Contaminants

- Multitoxin analysis
- Mycotoxin analysis
 - Fusarium toxins (DON, ZEA, T2/HT2, fumonisins etc.)
 - Aflatoxins and ochratoxin A

- Plant toxin analysis
 - Pyrrolizidine alkaloids, tropane alkaloids, ergot alkaloids
- Pesticide multi-methods (DFG-S19, QuEChERS)
- Single substance analyses, e.g. glyphosate
- Plant growth regulators (chlormequat, mepiquat)
- Fumigants (phosphine, methyl bromide, sulfur dioxide)
- Acidic herbicides
- Metals (As, Cd, Pb, Hg etc.)
- Mineral oils (MOSH, POSH, MOAH)
- Dioxins, furans and polychlorinated biphenyls (PCB)
- Polycyclic aromatic hydrocarbons (PAH)

General Food Analysis

- Detection of allergens (e.g. gluten, soy, mustard, lupin, EU-14-allergens)
- Protein, dietary fibre, starch
- Vitamins
- Trace elements
- Amino acids
- Fatty acid profile
- Saponins, tannins
- Testing for foreign matter (Filtration test)

Microbiology

- Aerobic plate count
- Yeasts and moulds
- Salmonella, E.coli, Enterobacteriaceae, Staphylococci etc.

Genetically Modified Organisms (GMO)

- GMO screening
- GMO identification (specific detection of one or more GMO)
- GMO quantification

Additional Services

- Representative sampling
- Supply chain control in all important import and export markets
- Hygiene audits

- Rush service: 24h analysis
- Crises management and advice
- Sampling
- Analyses according to Gafsta, GMP+ and Q+S including database entries
- National and international food law consulting service
- Eurofins OnLine (EOL): 24/7 access to samples and test results; faster turnaround times through online sample registration; archiving, data export, statistics

The Profile

The Eurofins Group provides a unique portfolio of analysis and testing services complemented by quality management, consultancy and trainings for the food, feed and seed industry. For their clients, Eurofins is the ideal partner along the whole supply chain.

Eurofins Laboratories are accredited according to DIN EN ISO/IEC 17025:2005 and regularly take part in proficiency testings to check and verify the applied methods.

