

# Analytical expertise for safe food

For private and public partners



RIKILT  
WAGENINGEN UR



## Wide range of methods

RIKILT Wageningen UR has a wide range of validated analytical methods operational under ISO 17025 accreditation. These include:

- Dioxins + PCB's (both screening with the DR-CALUX® bioassay and targeted with GC-MS/MS also for confirmation of suspect bioassay outcomes)
- Antibiotics (screening with bioassays (SCAN-tests) and confirmation)
- Other veterinary drugs (coccidiostats, tranquilizers, NSAID's etc)
- Marine toxins (lipophilic marine toxins with LC-MS/MS, but currently also testing new developed in vitro bioassays)
- Plant toxins
- Heavy metals (incl. methyl mercury and anorganic arsenic)
- Mycotoxines (incl. ergot alkaloids, but also developing in vitro bioassays to screen for the presence of new mycotoxins that might occur due to climate changes)
- Pesticides
- Radionuclides
- GMOs
- Animal proteins (microscopic and PCR species identification)
- Allergens
- Hormones,  $\beta$ -agonists (both screening with bio- or binding-assays as well as a broad range of MS based methods)

## RIKILT Wageningen UR

RIKILT Wageningen UR is part of the international knowledge organisation Wageningen University & Research centre. RIKILT conducts independent research into the safety and reliability of food. The institute is specialised in detecting and identifying substances in food and animal feed and determining the functionality and effect of those substances.

### **NRL and EU-RL**

The research institute in Wageningen is the National Reference Laboratory (NRL) for milk, genetically modified organisms, and nearly all chemical substances, and is also the European Union Reference Laboratory (EU-RL) for substances with hormonal effects, feed additives and mycotoxins.

### **24/7**

RIKILT advises national and international governments on establishing standards and methods of analysis. RIKILT is available 24 hours a day and seven days a week in cases of incidents.

### **Member of expertise centres**

RIKILT is a member of various national and international expertise centres and networks. Most of our work is commissioned by the Dutch Ministry of Economic Affairs and the Netherlands Food and Consumer Product Safety Authority. Other parties commissioning our work include the European Union, the European Food Safety Authority (EFSA), foreign governments, social organisations, and businesses.

### **Contact**

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