



Range of Services Mycotoxins & Plant Toxins

The Eurofins experts from the competence centre of mycotoxins and plant toxins offer a comprehensive risk-based test portfolio to protect the quality of food and feed.

This includes:

- current screening- and verification methods for all regulated, as well as a wide range of other mycotoxins and plant toxins
- the analysis of the most important commercially available pyrrolizidine alkaloids and N-Oxide (incl. all 35 pyrrolizidine alkaloids according to the EU Regulation)
- the determination of the most important tropane alkaloids atropine (sum of (+)- and (-)-hyoscyamine), scopolamine, anisodamine, norscopolamine, convolvine

The analytical test portfolio is complemented by representative sampling services and the possibility of homogenising large sample volumes.

The most important parameters at a glance:

Mycotoxins

- Alternaria toxins
 - Alternariol (AOH)
 - Alternariolmonomethylether (AME)
 - Altenuen (ALT)
 - Tenuazonsäure (TEA)
 - Tentoxin (TEN)

- Aflatoxins
 - B1/B2, G1/G2
 - M1
- Ochratoxin A (OTA)
- Fusarium toxins
 - Fumonisin B1/B2/B3
 - Zearalenone (ZON)
 - Deoxynivalenol (DON)
 - 3- and 15-Acetyldeoxynivalenol
 - T-2 / HT-2 toxins
 - Beauvericin
 - Enniatins A, A₁, B, B₁
 - Nivalenol
 - Fusarenone X
 - Diacetoxyscirpenol

- Patulin
- Citrinin
- Sterigmatocystin

- Ergot alkaloids
 - Ergotamine and ergotaminine
 - Ergometrine and ergometrinine
 - Ergocornine and ergocorninine
 - Ergosine and ergosinine
 - Ergocristine and ergocristinine
 - Ergocryptine and ergokryptinine

Plant toxins

- Pyrrolizidine alkaloids
 - Echimidine and echimidine N-oxide
 - Echinatine and echinatine N-oxide
 - Erucifoline and erucifoline N-oxide
 - Europine and europine N-oxide
 - Heliosupine and heliosupine N-oxide
 - Heliotrine and heliotrine N-oxide
 - Indicine and indicine N-oxide
 - Integerrimine and integerrimine N-oxide
 - Intermedine and intermedine N-oxide
 - Jacobine and jacobine-N-oxide
 - Lasiocarpine and lasiocarpine-N-oxide
 - Lycopsamine and lycopsamine-N-oxide
 - Monocrotaline and monocrotaline N-oxide
 - Retrorsine and retrorsine N-oxide
 - Rinderine and rinderine N-oxide
 - Senecionine and senecionine N-oxide
 - Seneciphylline and seneciphylline N-oxide
 - Senecivernine and senecivernine N-oxide
 - Senkirkine
 - Spartioidine and spartioidine-N-oxide
 - Trichodesmine
 - Usaramine and usaramine-N-oxide
- Opium alkaloids
 - Morphine
 - Codeine
- Tropane alkaloids
 - Atropine
 - Scopolamine
 - Anisodamine
 - Norscopolamine
 - Convolvine
- Quinolizidine alkaloids
 - Lupanine
 - α -isolupanine
 - 13 α -hydroxylupanine
 - Lupinine
 - Angustifoline
 - Sparteine
 - Multiflorine
 - Cytisine