INTERNAL STANDARD

AFLATOXIN G2

Our LIB'UP® allows you to guarantee the quality of your analyses and accurately measure the toxins contained in your samples thanks to the high quality and purity of our standards.

If you use our internal standards, you avoid yield losses during your extractions, and you greatly reduce ion suppression due to the matrix effect.

LIBIOS

WHY CHOOSE LIBIOS?

- Ready-to-use internal standard, certified with uncertainty for mycotoxins analysis by LC-MS/MS.
- Uniformly enriched in C13, at 98% isotopic purity for an accurate and repeatable calibration.
- Entire certificates in accordance with ISO 31, 34, 35 and Eurachem / CITAC guides.
- Tested and approved by external laboratories and French public research centers.
- Various packaging : 0.5 mL - 1.2 mL - 5 mL - 10 mL and Custom mix.
- Standard designed, elaborated and produced by our laboratory in France.

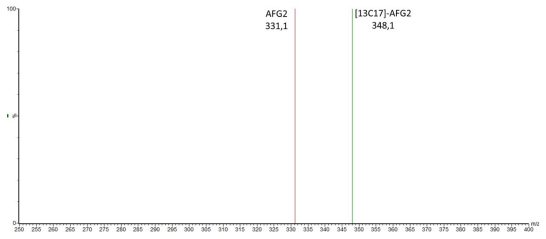
AFLATOXIN G2 DETERMINATION

The method increasingly used for the Aflatoxin G2 analysis is now the LC-MS/MS coupling. The analysis of this toxic exogenous compound requires the use of calibration reference solutions and / or the addition of internal standards as tracers of the molecule. The C13 labeled internal standard, Aflatoxin G2, mimics as much as possible the physico-chemical behavior of the molecule to measure: identical structure and giving a specific and differentiated signal by the mass.
The mass spectrometry therefore allows the differentiation between the isotopologues and, by adding the known quantity of internal standard, the analyte content can be calculated. In other words, losses of the analyte during the purification various steps and / or extraction are completely compensated by similar losses of the isotopologue.

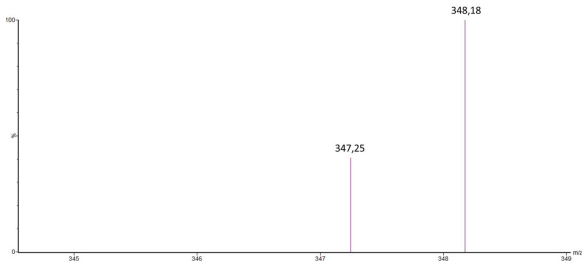
Aflatoxin G2 analysis example*:

**Test realised in our laboratory, use of our standard LIB'UP® U-[13C17]-Aflatoxin G2.*

MS spectrum of Aflatoxin G2
and standard LIB'UP® U-[13C17]-Aflatoxin G2



MS spectrum of
LIB'UP® U-[13C17]-Aflatoxin G2



Product	Code/Packaging	Concentration	Solvent
[13C17]-Aflatoxin G2	AG213C17-05-0.5 (0.5 mL) AG213C17-05-1.2 (1.2 mL) AG213C17-05-5 (5 mL) AG213C17-05-10 (10 mL)	0.5 µg/mL	Acetonitrile

LIBIOS
83, rue Edmond Michelet
69490 Vindry Sur Turdine
France
Phone: +33 (0)4 74 13 03 02
Mail: info@libios.fr
Website: www.libios.fr