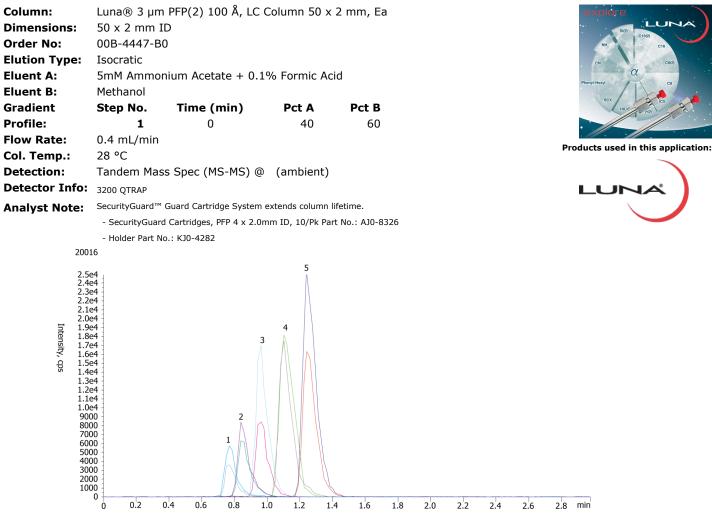
HPLC Application ID No.: 20016

Alfatoxins in Food by LC/MS/MS



ANALYTES:

- 1 Aflatoxin M1 Retention Time: 0.77 min
- 2 Aflatoxin G2 Retention Time: 0.85 min
- 3 Aflatoxin G1 Retention Time: 0.95 min
- 4 Aflatoxin B2 Retention Time: 1.1 min
- 5 Aflatoxin B1 Retention Time: 1.25 min

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LUNA

for HPLC Application ID No.: 20016

Alfatoxins in Food by LC/MS/MS

PRODUCT DESCRIPTION:

Strata® FL-PR Florisil (170 µm, 80 Å), 500 mg / 3 mL, Tubes , 50/Pk

Order No.: 8B-S013-HBJ

SOLID PHASE EXTRACTION (SPE) PRODCEDURE:

Note: The solvent volumes shown below are for a 500 mg bed mass.

The solvent volumes will need to be adjusted for a smaller or larger bed mass.

Condition:

Load:

Pre-Treatment: To 5 g of peanut buffer, add 40 mL of Methanol/Water (80:20) containing 0.2 g of sodium chloride. Mechanically stir for 2 hours then filter out residual solids using Whatman filter paper.

Wash:			
Dry:			
Elute:			

Final Prep and Analysis:

Inject: 10 µL on HPLC Tandem Mass Spec (MS-MS) @ (ambient)

ANAI	YTES:	Spiked Conc. (ng/mL)	Log P	рКа	% Rec	%RSC (n=0)
1	Aflatoxin M1	0				
2	Aflatoxin G2	0				
3	Aflatoxin G1	0				
4	Aflatoxin B2	0				
5	Aflatoxin B1	0				

Note: This method is designed as a convenient starting point for further investigation and can be tailored to meet your extraction goals. Call your local Phenomenex Representative for assistance in method development and optimization techniques.

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