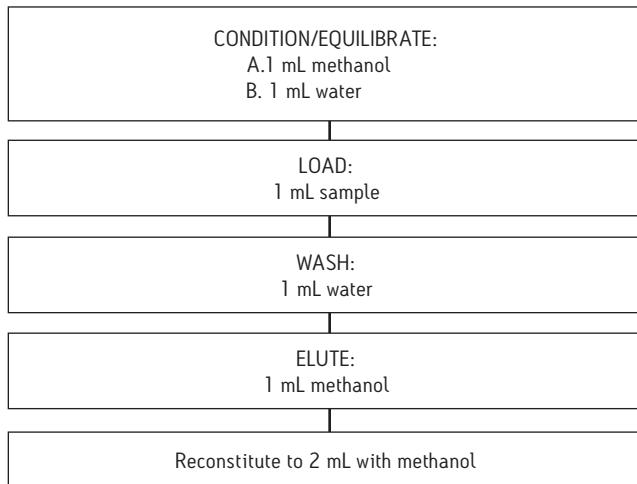


## Pretreatment

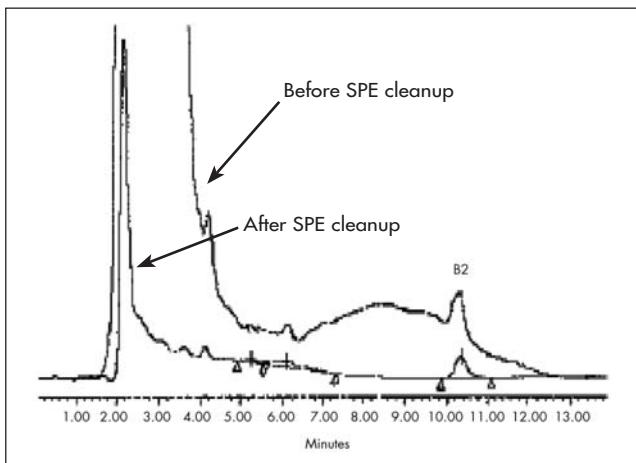
1. Add 5 g of sodium hydroxide to 20 g of homogenized sample, followed by 30 mL of n-hexane.
2. Add 100 mL 60% aqueous methanol and homogenize.
3. Ultrasonicate for 30 minutes.
4. Filter sample through 15 cm filter paper.
5. Take 1 mL aliquot from 60% methanol layer for SPE cleanup.

## SPE Procedure

Oasis® HLB 1cc/30 mg



## Results



*Matrix interference is greatly reduced when sample is cleaned up by using Oasis HLB SPE cartridge.*

Analyte	Recovery %	Detection(p/µg kg)
Aflatoxin G2	101± 7.18	0.11
Aflatoxin G1	72.8±3.63	0.20
Aflatoxin B2	97.5±5.48	0.12
Aflatoxin B1	68.8±5.48	0.24

*Results of B1, B2, G1, G2 in peanuts (n=5).*

## LC Conditions

Instrument: Waters Alliance® HPLC 2695 System  
Column: SymmetryShield™ RP18, 4.6 x 150 mm, 5 µm  
Flow rate of iodine: 0.2 mL  
Flow rate: 1 mL/min  
Mobile phase: A. methanol  
B. water  
Isocratic gradient: 35% A: 65% B, for 20 minutes  
Column temperature: 30 °C  
Derivatization temperature: 80 °C  
Excitation wavelength: 365 nm  
Emission wavelength: 455 nm  
Post-column derivatization reagent: Dissolve 200 mg iodine in 10 mL methanol, top up 1000 mL with water  
Detector: 2475 Multi Wavelength Fluorescence

## Ordering Information

Description	Part Number
Oasis HLB, 1 cc/30 mg, 30 µm, 100/box	WAT094225
SymmetryShield RP18, 4.6 x 150 mm, 5 µm	186000109
LCMS Certified Combination Packs	600000751CV