

SPE106

Isolation of Aflatoxins From Grain, Corn, and Nut Meats

Spe-ed™ Cartridge	Catalog number 2006 – Octadecyl C18/14%, 500mg/6mL. Process with <i>Spe-ed</i> Mate 10 or 30.
Sample Preparation	Grind sample to a fine meal. Homogenize 10gms of meal with 25mL of 65% acetonitrile/35% distilled water. Filter and dilute to 200mL with distilled water.
Cartridge Conditioning	2 x 5mL of methanol followed immediately by 5mL of 92% distilled water/8% acetonitrile. DO NOT ALLOW CARTRIDGE TO RUN DRY!
Sample Addition	Fill cartridge 2/3 full with sample solution. Insert universal adaptor (Catalog #2402) on top of cartridge. Fill reservoir with sample solution and aspirate through cartridge at 5-8 mL/minute. Add remaining sample solution to reservoir and do not allow the reservoir to empty until the last volume of sample is added. Aspirate all sample solution from cartridge.
Cartridge Wash	2 sequential 1mL volumes of distilled water. Air dry cartridge under vacuum for 5 minutes.
Analyte Elution	3 sequential 0.5mL volumes of acetone. It may be necessary to evaporate sample and reconstitute in an analytically suitable solvent/solution.

Applied
Separations

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