

**SPE**Solid Phase  
Extraction

# Application Note

World Leaders in Sample Preparation

**SPE184****ISOLATION OF METHIOCARB FROM FRUIT**

<b>Spe-ed™ Cartridge</b>	Cat. NO. 2003 – Octadecyl C18/14%, 500mg/3mL. Process with <i>Spe-ed Mate</i> .
<b>Sample Preparation</b>	Homogenize fruit with water. Filter into a separator funnel. Add 100mL of methylene chloride to filtrate. Shake. Retain the methylene chloride fraction.
<b>Cartridge Conditioning</b>	2 x 3mL of methanol, followed immediately by 3mL of distilled water. DO NOT ALLOW CARTFIDGE TO RUN DRY!
<b>Sample Addition</b>	Add 100mL of Methylene chloride sample fraction using 75mL reservoir and universal adaptor or Volu <i>Spe-ed</i>
<b>Cartridge Wash</b>	2 sequential 0.5mL volume of hexane (or ethyl acetate). Air dry under vacuum 3-4 minutes.
<b>Analyte Elution</b>	2 sequential 0.5mL volumes of methanol.

**Alternatives:** Consider using methylene chloride to homogenize the fruit.

**NOTE:** *Since sample matrix interferences and concentration may vary from sample to sample, it may be necessary to adjust the wash and elution solvent/solution strength and/or volume to optimize isolation.*

The logo for Applied Separations, featuring the company name in a bold, sans-serif font with horizontal lines above the word "Applied".

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