

## Phenolic Antioxidants on Pinnacle™ II C18

Peak List:	Conc. (ppm)
1. propyl gallate	168
2. TBHQ	182
3. 2-BHA + 3-BHA	197
4. BHT	193

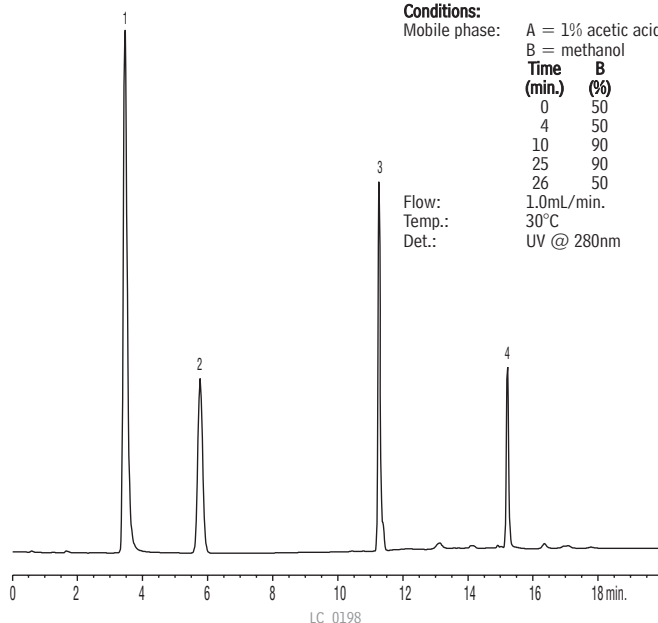
**Sample:**  
Inj.: 10 $\mu$ L  
Solvent: methanol

**Column:** Pinnacle™ II C18  
Cat.#: 9214565  
Dimensions: 150mm x 4.6mm  
Particle size: 5 $\mu$ m  
Pore size: 110Å

**Conditions:**  
Mobile phase: A = 1% acetic acid  
B = methanol

Time (min.)	B (%)
0	50
4	50
10	90
25	90
26	50

Flow: 1.0mL/min.  
Temp.: 30°C  
Det.: UV @ 280nm



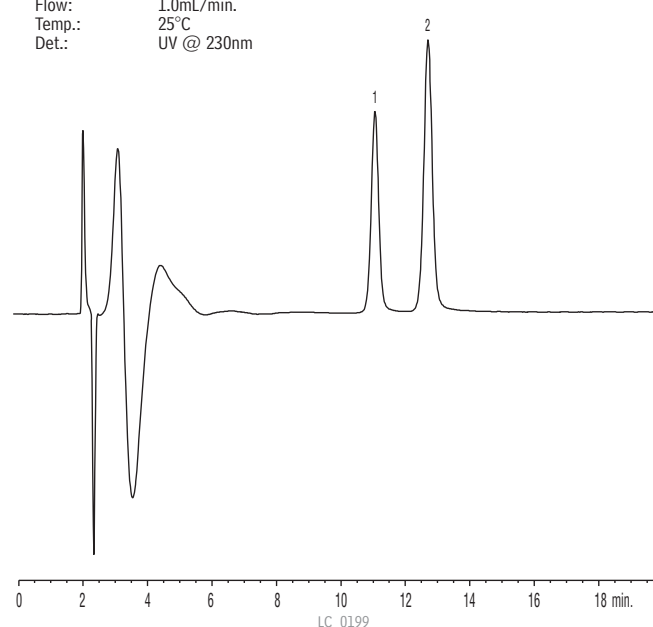
## Sorbic and Benzoic Acids on Pinnacle™ II Phenyl

**Column:** Pinnacle™ II Phenyl  
Cat.#: 9215565  
Dimensions: 150mm x 4.6mm  
Particle size: 5 $\mu$ m  
Pore size: 110Å

**Conditions:**  
Mobile phase: 1% acetic acid:methanol (80:20)  
Flow: 1.0mL/min.  
Temp.: 25°C  
Det.: UV @ 230nm

**Peak List:**  
1. sorbic acid  
2. benzoic acid

**Sample:**  
Inj.: 10 $\mu$ L  
Conc.: 100ppm each  
Solvent: methanol



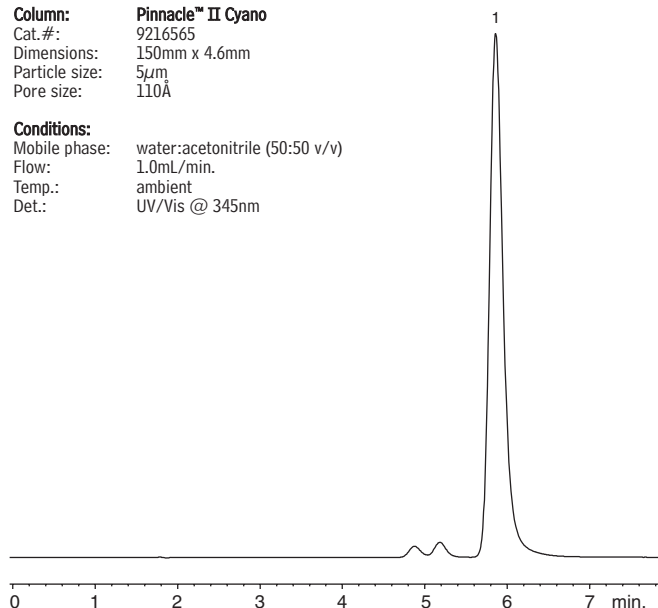
## Black Pepper: Piperine on Pinnacle™ II Cyano

**Peak List:**  
1. piperine

**Sample:**  
Inj.: 5 $\mu$ L  
Conc.: 100 $\mu$ g/mL  
Solvent: methanol

**Column:** Pinnacle™ II Cyano  
Cat.#: 9216565  
Dimensions: 150mm x 4.6mm  
Particle size: 5 $\mu$ m  
Pore size: 110Å

**Conditions:**  
Mobile phase: water:acetonitrile (50:50 v/v)  
Flow: 1.0mL/min.  
Temp.: ambient  
Det.: UV/Vis @ 345nm



## Capsaicinoids: Heat Level Assay for Habañero Nuggets on Pinnacle™ II C18

**Peak List:**  
1. ethanol  
2. unknown  
3. capsaicin  
4. dihydrocapsaicin

**Sample:**  
Inj.: 10 $\mu$ L habañero nugget extract  
Conc.: 0.8g sample in 200mL  
Solvent: ethanol

**Column:** Pinnacle™ II C18  
Cat.#: 9214565  
Dimensions: 150mm x 4.6mm  
Particle size: 5 $\mu$ m  
Pore size: 110Å

**Conditions:**  
Mobile phase: A: 1% acetic acid in water (v/v)  
B: acetonitrile

Time (min.)	% B
0	50
2	50
9	80
12	80
13	50

Flow: 1.0mL/min.  
Temp.: ambient  
Det.: UV @ 280nm

