

Vanillin on Ultra C8

Sample:
 Inj.: 10mL
 Conc.: 5% solution of vanilla extract
 Solvent: 40% ethanol

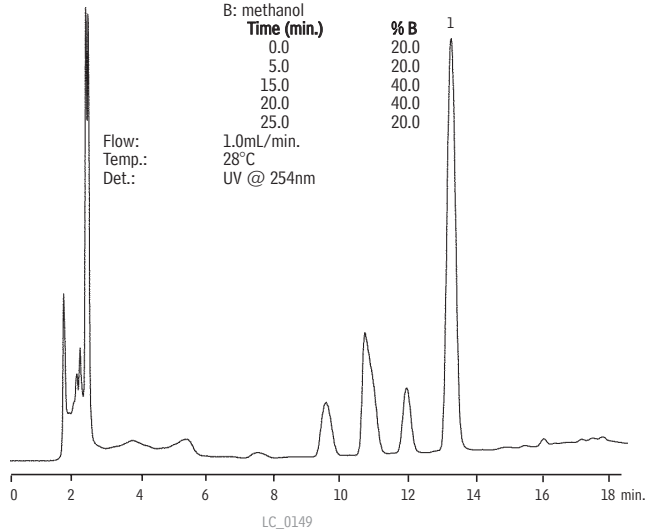
Peak List:
 1. vanillin

Column: Ultra C8
 Cat.#: 9103565
 Dimensions: 150mm x 4.6mm
 Particle size: 5µm
 Pore size: 100Å

Conditions:
 Mobile phases: A: 1.2% acetic acid in water
 B: methanol

Time (min.)	% B
0.0	20.0
5.0	20.0
15.0	40.0
20.0	40.0
25.0	20.0

Flow: 1.0mL/min.
 Temp.: 28°C
 Det.: UV @ 254nm



Vanillin and Ethyl Vanillin on Ultra C8

Peak List: Conc. (mg/mL)
 1. vanillin 0.12
 2. ethyl vanillin 0.04

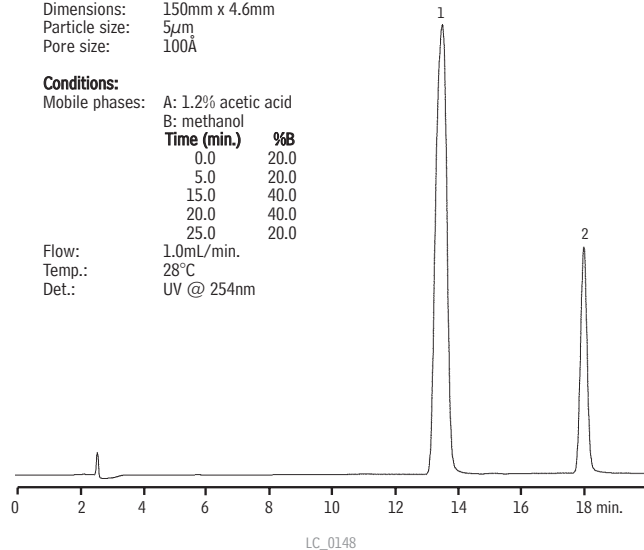
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 Temp.: 28°C
 Det.: UV @ 254nm



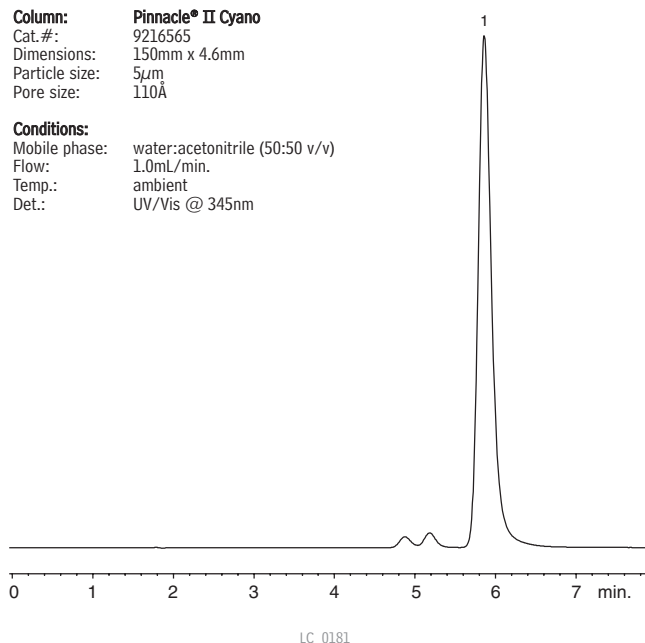
Black Pepper: Piperine on Pinnacle® II Cyano

Peak List:
 1. piperine

Sample:
 Inj.: 5µL
 Conc.: 100µg/mL
 Solvent: methanol

Column: Pinnacle® II Cyano
 Cat.#: 9216565
 Dimensions: 150mm x 4.6mm
 Particle size: 5µm
 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.: 10µL habañero nugget extract
 Conc.: 0.8g sample in 200mL
 Solvent: ethanol

Column: Pinnacle® II C18
 Cat.#: 9214565
 Dimensions: 150mm x 4.6mm
 Particle size: 5µm
 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

