

HPLC Application

ID No.: 15012

Caffeine & Metabolites, pH 10.0

Column: Gemini[®] 5 µm C18 110 Å, LC Column 150 x 4.6 mm, Ea

Dimensions: 150 x 4.6 mm ID

Order No: 00F-4435-E0

Elution Type: Gradient

Eluent A: 20mM NH₄HCO₃, pH 10.0

Eluent B: Acetonitrile

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	8	98	2
	2	7	80	20

Flow Rate: 1 mL/min

Col. Temp.: 25 °C

Detection: UV-Vis Abs.-Variable Wave.(UV) @ 273 nm (25 °C)

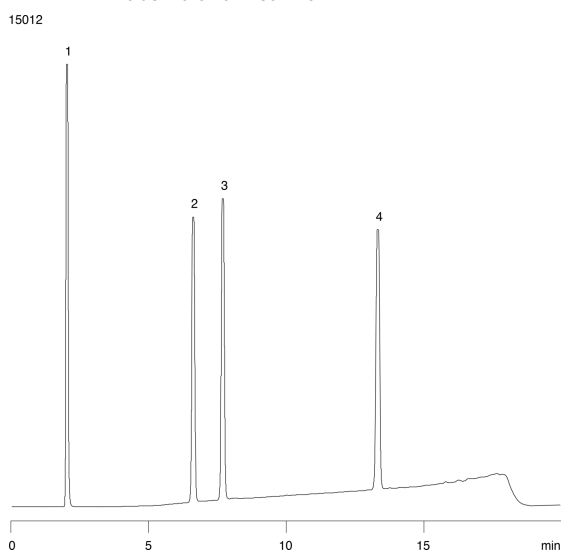
Analyst Note: SecurityGuard[™] Guard Cartridge System extends column lifetime.

- SecurityGuard Cartridges, Gemini C18 4 x 3.0mm, 10/Pk Part No.: AJ0-7597

- Holder Part No.: KJ0-4282



Products used in this application:



ANALYTES:

- 1** Xanthine
Retention Time: 2.044 min
- 2** Theobromine
Retention Time: 11.996 min
- 3** Theophylline
Retention Time: 13.479 min
- 4** Caffeine
Retention Time: 17.053 min

