

# HPLC Application

ID No.: 1134

## Chinese Green Tea (Comellia sinensis)

**Column:** Prodigy<sup>™</sup> 5 µm ODS-3 100 Å, LC Column 150 x 4.6 mm, Ea

**Dimensions:** 150 x 4.6 mm ID

**Order No:** 00F-4097-E0

**Elution Type:** Isocratic

**Eluent A:** 0.2% Phosphoric Acid

**Eluent B:** Acetonitrile

**Eluent C:** Tetrahydrofuran

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B	Pct C
	1	0	86	12.5	1.5

**Flow Rate:** 1 mL/min

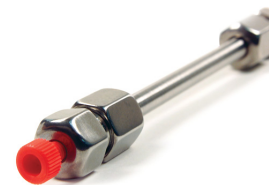
**Col. Temp.:** 25 °C

**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 280 nm (ambient)

**Analyst Note:** SecurityGuard<sup>™</sup> Guard Cartridge System extends column lifetime.

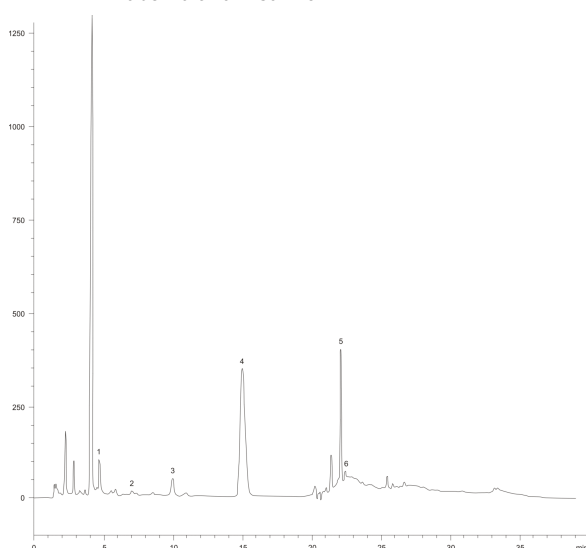
- SecurityGuard Cartridges, C18 4 x 3.0mm, 10/Pk Part No.: AJ0-4287

- Holder Part No.: KJ0-4282



Products used in this application:

## Prodigy<sup>™</sup>



### ANALYTES:

- 1 Epigallocatechin
- 2 Catechin
- 3 Epicatechin
- 4 Epigallocatechin gallate
- 5 Epicatechin gallate
- 6 Catechin gallate

