

HPLC Application

ID No.: 1319

Pigments

Column: Luna® 3 µm C8(2) 100 Å, LC Column 100 x 4.6 mm, Ea

Dimensions: 100 x 4.6 mm ID

Order No: 00D-4248-E0

Elution Type: Gradient

Eluent A: Methanol/1M Ammonium Acetate (70:30)

Eluent B: Methanol

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	95	5
	2	60	5	95

Flow Rate: 1 mL/min

Col. Temp.: 60 °C

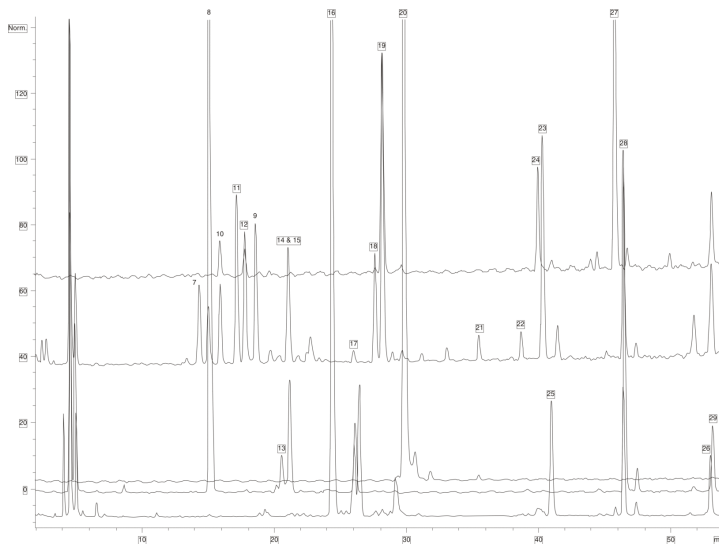
Detection: UV-Vis Abs.-Variable Wave.(UV) @ 450 nm (ambient)

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

- SecurityGuard Cartridges, C8 4 x 3.0mm, 10/Pk Part No.: AJ0-4290
- Holder Part No.: KJ0-4282



Products used in this application:



Pigments

ANALYTES:

- 1 Chlorophyllide a
- 2 Chlorophyll c3
- 3 Chlorophyll c2
- 4 Chlorophyll c1
- 5 Mg DVP
- 6 Peridinin
- 7 19' Butanoyloxy fucoxanthin
- 8 Fucoxanthin
- 9 19' Hexanoyloxy fucoxanthin
- 10 Neoxanthin
- 11 Prasinoxanthin
- 12 Violaxanthin
- 13 Fucoxanthin
- 14 Fucoxanthin
- 15 Diadinoxanthin
- 16 Alloxanthin
- 17 Diatoxanthin
- 18 Zeaxanthin
- 19 Lutein
- 20 Canthaxanthin
- 21 unknown
- 22 unknown
- 23 Monovinyl chlorophyll b
- 24 Divinyl chlorophyll b
- 25 Crocoxanthin
- 26 Monovinyl chlorophyll a
- 27 Divinyl chlorophyll a
- 28 alpha-Carotene
- 29 beta-Carotene

