

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	Step No.	Time (min)	Pct A	Pct B
Profile:	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)

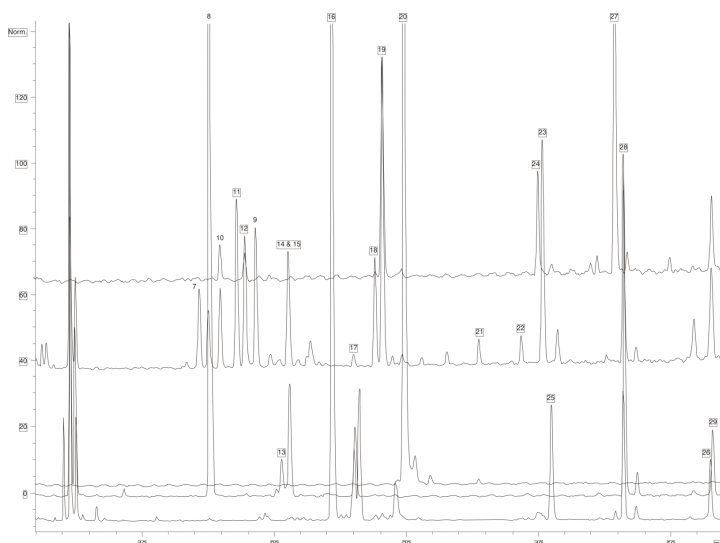
Analyst Note: SecurityGuard™ Guard Cartridge System extends column lifetime.

- 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

