

# HPLC Application

ID No.: 14438

## Carotenoids from Haematococcus Algae Powder

**Column:** Luna® 3 µm Silica (2) 100 Å, LC Column 150 x 4.6 mm, Ea

**Dimensions:** 150 x 4.6 mm ID

**Order No:** 00F-4162-E0

**Elution Type:** Isocratic

**Eluent A:** Hexane/Acetone (82:18, v/v)

Gradient Profile:	Step No.	Time (min)	Pct A
	1	0	100

**Flow Rate:** 1.2 mL/min

**Col. Temp.:** ambient

**Detection:** UV-Vis Abs.-Fixed Wave. (UV) @ 474 nm (ambient)

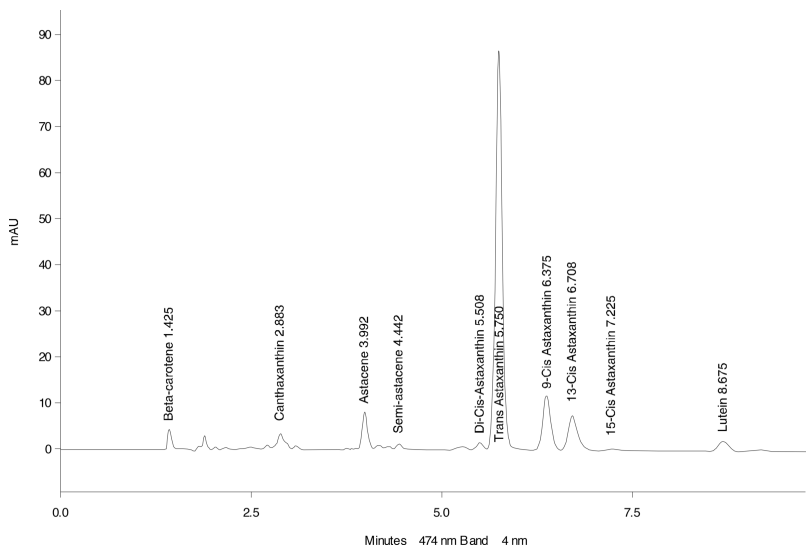
**Analyst Note:** SecurityGuard™ Guard Cartridge System extends column lifetime.

- SecurityGuard Cartridges, Silica 4 x 3.0mm, 10/Pk Part No.: AJ0-4348

- Holder Part No.: KJ0-4282



Products used in this application:



## Carotenoids from Haematococcus Algae Powder

### ANALYTES:

- 1 beta-Carotene
- 2 Canthaxanthin
- 3 Astacene
- 4 Semi-Astacene
- 5 Di-cis-astaxanthin
- 6 trans-Astaxanthin
- 7 9-cis-Astaxanthin
- 8 13-cis-Astaxanthin
- 9 15-cis-Astaxanthin
- 10 Lutein

