



**Column:** [Luna® 3 µm C8\(2\) 100 Å LC Column 100 x 4.6 mm](#)

**Part No:** [00D-4248-E0](#)

**Dimensions:** 100 x 4.6 mm ID

**Elution Type:** Gradient

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

**Elution 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 (22°C)

**Compounds:**

- 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 isomer #1<sup>2</sup>; 14- Fucoxanthin isomer #2<sup>2</sup>; 15- Diadinoxanthin; 16- Alloxanthin; 17- Diatoxanthin; 18- Zeaxanthin; 19 – Lutein; 20- Canthaxanthin; 21- Unknown #1<sup>3</sup>; 22- Unknown #2<sup>3</sup>; 23- Monovinyl chlorophyll b; 24- Divinyl chlorophyll b; 25- Crocoxanthin; 26- Monovinyl chlorophyll a; 27- Divinyl chlorophyll a; 28- alpha-Carotene; 29- beta-Carotene