

## Malachite Green and Related Dyes on Gemini 3.0um C18 50x2.0 column

**Column:** Gemini® 3 µm C18 110 Å, LC Column 50 x 2 mm, Ea

**Dimensions:** 50 x 2 mm ID

**Order No:** 00B-4439-B0

**Elution Type:** Gradient

**Eluent A:** 0.1% Formic acid in water

**Eluent B:** 0.1% Formic acid in 75:25 acetonitrile:methanol

| Gradient Profile: | Step No. | Time (min) | Pct A | Pct B |
|-------------------|----------|------------|-------|-------|
|                   | 1        | 0          | 70    | 30    |
|                   | 2        | 1          | 30    | 70    |
|                   | 3        | 3          | 30    | 70    |
|                   | 4        | 3.01       | 5     | 95    |
|                   | 5        | 4          | 5     | 95    |

**Flow Rate:** 0.4 mL/min

**Col. Temp.:** ambient

**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 210 nm (ambient)

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

- SecurityGuard Cartridges, Gemini C18 4 x 2.0mm ID, 10/Pk Part No.: AJ0-7596

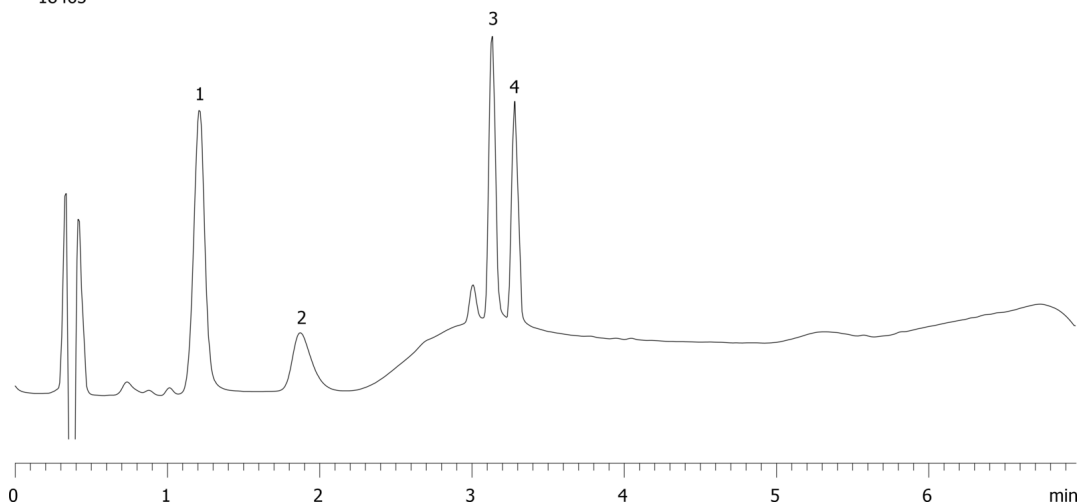
- Holder Part No.: KJ0-4282



Products used in this application:



18465



### ANALYTES:

**1** Leucomalachite Green

Retention Time: 1.2 min

**2** Malachite Green

Retention Time: 1.87 min

**3** Crystal violet

Retention Time: 3.13 min

**4** Brilliant Green

Retention Time: 3.28 min

