

# HPLC Application

ID No.: 10257

## Food Additives

**Column:** Prodigy<sup>™</sup> 5 µm Phenyl-3 (PH-3) 100 Å, LC Column 150 x 4.6 mm, Ea

**Dimensions:** 150 x 4.6 mm ID

**Order No:** 00F-4298-E0

**Elution Type:** Isocratic

**Eluent A:** Acetonitrile

**Eluent B:** 20 mM Potassium phosphate pH 3.0

Gradient	Step No.	Time (min)	Pct A	Pct B
Profile:	1	0	25	75

**Flow Rate:** 1.5 mL/min

**Col. Temp.:** 40 °C

**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 230 nm (ambient)

**Detector Info:** Variable wavelength UV detector was changed during the run as follows:

0 to 1.6 min UV @ 230 nm

1.6 to 2 min UV @ 210 nm

>2 min UV @ 230 nm

**Analyst Note:** SecurityGuard<sup>™</sup> Guard Cartridge System extends column lifetime.

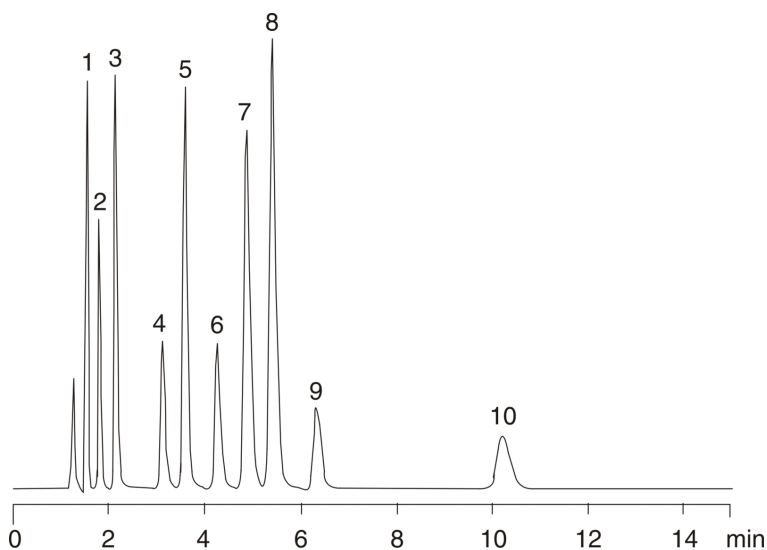
- SecurityGuard Cartridges, Phenyl 4 x 3.0mm, 10/Pk Part No.: AJ0-4351

- Holder Part No.: KJ0-4282



Products used in this application:

# Prodigy<sup>™</sup>



## Food Additives

### ANALYTES:

- 1 Saccharin
- 2 Aspartame
- 3 p-Hydroxybenzoic acid
- 4 Caffeine
- 5 Benzoic acid
- 6 p-Hydroxybenzoic acid methyl ester
- 7 p-Toluic acid
- 8 Dehydroacetic acid
- 9 p-Hydroxybenzoic acid ethyl ester
- 10 p-Hydroxybenzoic acid propyl ester

