

# HPLC Application

ID No.: 1199

## Food Additives on Luna 5u Phenyl-Hexyl

**Column:** Luna® 5 µm Phenyl-Hexyl 100 Å, LC Column 150 x 4.6 mm, Ea

**Dimensions:** 150 x 4.6 mm ID

**Order No:** 00F-4257-E0

**Elution Type:** Gradient

**Eluent A:** 50 mM KH<sub>2</sub>PO<sub>4</sub> + 0.1% H<sub>3</sub>PO<sub>4</sub>

**Eluent B:** Acetonitrile

<b>Gradient Profile:</b>	<b>Step No.</b>	<b>Time (min)</b>	<b>Pct A</b>	<b>Pct B</b>
	<b>1</b>	0	75	25
	<b>2</b>	18	25	75
	<b>3</b>	30	25	75

**Flow Rate:** 1 mL/min

**Col. Temp.:** ambient

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

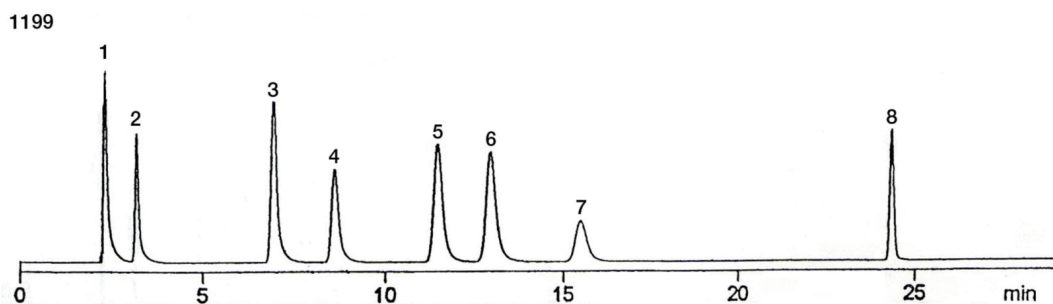
**Analyst Note:** SecurityGuard™ Guard Cartridge System extends column lifetime.

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

- Holder Part No.: KJ0-4282



Products used in this application:



### ANALYTES:

- 1 Saccharin
- 2 p-Hydroxybenzoic acid
- 3 Sorbic acid
- 4 p-Hydroxybenzoic acid methyl ester
- 5 Dehydroacetic acid
- 6 p-Toluic acid
- 7 p-Hydroxybenzoic acid ethyl ester
- 8 n-Propyl p-hydroxybenzoate

