HPLC Application

ID No.: **10257**



Food Additives

Prodigy[™] 5 μm Phenyl-3 (PH-3) 100 Å, LC Column 150 x 4.6 mm, Ea Column:

150 x 4.6 mm ID **Dimensions:** Order No: 00F-4298-E0 **Elution Type:** Isocratic Eluent A: Acetonitrile

20 mM Potassium phosphate pH 3.0 Eluent B:

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

1.5 mL/min Flow Rate: Col. Temp.: 40 °C

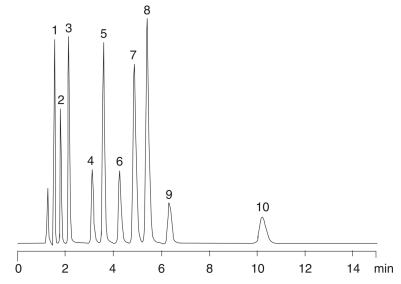
UV-Vis Abs.-Variable Wave.(UV) @ 230 nm (ambient) **Detection: Detector Info:** Variable wavelength UV detector was changed during the run as follows:

> 0 to 1.6 min UV @ 230 nm 1.6 to to 2 min UV @ 210 nm >2 min UV @ 230 nm

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:





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ANALYTES:

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



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