

## Flavonol and Xanthone Glycosides from Mango Peels

**Column:** Synergi<sup>TM</sup> 4  $\mu$ m Hydro-RP 80 Å, LC Column 150 x 3 mm, Ea

**Dimensions:** 150 x 3 mm ID

**Order No:** 00F-4375-Y0

**Elution Type:** Gradient

**Eluent A:** 2% (v/v) acetic acid in water

**Eluent B:** 0.5% acetic acid in water and acetonitrile (50:50, v/v)

| Gradient Profile: | Step No. | Time (min) | Pct A | Pct B |
|-------------------|----------|------------|-------|-------|
|                   | 1        | 0          | 100   | 0     |
|                   | 2        | 15         | 75    | 25    |
|                   | 3        | 50         | 70    | 30    |
|                   | 4        | 60         | 20    | 80    |
|                   | 5        | 65         | 0     | 100   |
|                   | 6        | 65.5       | 100   | 0     |

**Flow Rate:** 0.6 mL/min

**Col. Temp.:** 25 °C

**Detection:** Refractive Index @ 0.0000000000 (ambient)

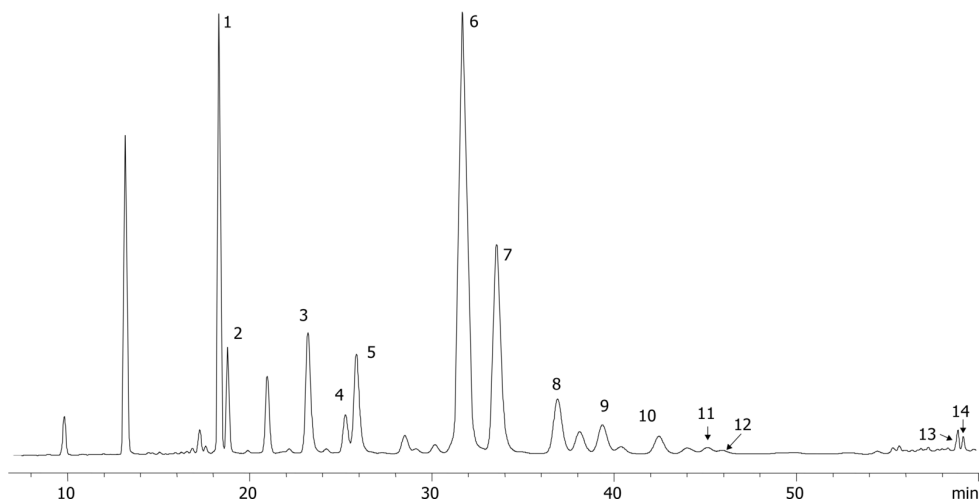
**Analyst Note:** SecurityGuard<sup>TM</sup> Guard Cartridge System extends column lifetime.

- SecurityGuard Cartridges, AQ C18 4 x 2.0mm, 10/Pk Part No.: AJ0-4286

- Holder Part No.: KJ0-4282



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### ANALYTES:

- 1** Mangiferin
- 2** Isomangiferin
- 3** Mangiferin gallate
- 4** Isomangiferin gallate
- 5** Quercetin 3-O-diglycoside
- 6** Quercetin 3-O-galactoside
- 7** Quercetin 3-O-glucoside
- 8** Quercetin 3-O-xyloside
- 9** Quercetin 3-O-arabinopyranoside
- 10** Quercetin 3-O-arabinofuranoside
- 11** Quercetin 3-O-rhamnoside
- 12** Kaempferol 3-O-glucoside
- 13** Rhamnetin-hexoside
- 14** Quercetin

