

## Fast Organic Acids Analysis in Wine - Cal 1

**Column:** Synergi<sup>TM</sup> 4  $\mu$ m Hydro-RP 80 Å, LC Column 250 x 4.6 mm, Ea

**Dimensions:** 250 x 4.6 mm ID

**Order No:** 00G-4375-E0

**Elution Type:** Gradient

**Eluent A:** 20mM potassium phosphate, pH 1.5

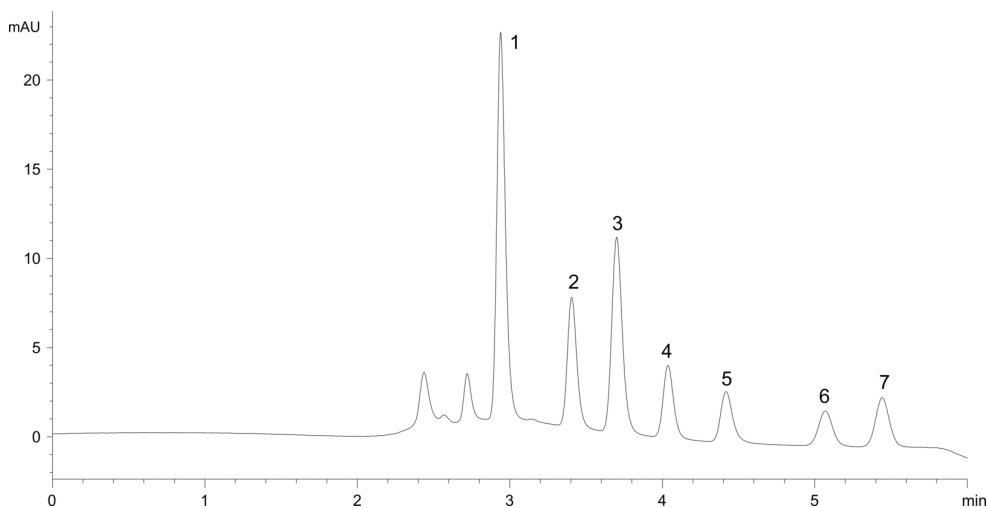
**Eluent B:** Methanol

| Gradient Profile: | Step No. | Time (min) | Pct A | Pct B |
|-------------------|----------|------------|-------|-------|
|                   | 1        | 0          | 100   | 0     |
|                   | 2        | 2.5        | 100   | 0     |
|                   | 3        | 2.6        | 70    | 30    |
|                   | 4        | 2.9        | 70    | 30    |
|                   | 5        | 3          | 100   | 0     |
|                   | 6        | 10         | 100   | 0     |

**Flow Rate:** 1 mL/min

**Col. Temp.:** 60 °C

**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ (ambient)  
App ID 23345



### ANALYTES:

- 1** tartaric acid  
Retention Time: 2.437 min
- 2** malic acid  
Retention Time: 2.72 min
- 3** shikimic acid (interferent)  
Retention Time: 2.94 min
- 4** lactic acid  
Retention Time: 3.405 min
- 5** acetic acid  
Retention Time: 3.7 min
- 6** citric acid  
Retention Time: 4.036 min
- 7** succinic acid  
Retention Time: 4.417 min

