HPLC Application

Organic acids on Synergi Hydro-RP

Column: Synergi™ 4 µm 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: Isocratic
Eluent A: 20mM Potassium phosphate pH 2.9

Gradient Profile:
<table>
<thead>
<tr>
<th>Step No.</th>
<th>Time (min)</th>
<th>Pct A</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>100</td>
</tr>
</tbody>
</table>

Flow Rate: 0.7 mL/min
Col. Temp.: ambient
Detection: UV-Vis Abs.-Variable Wave.(UV) @ 220 nm (ambient)

Analyst Note:
- SecurityGuard™ Guard Cartridge System extends column lifetime.
  - SecurityGuard Cartridges, AQ C18 4 x 3.0mm, 10/Pk Part No.: AJ0-7511
  - Holder Part No.: KJ0-4282

ANALYTES:

1 Oxalic acid
2 Tartaric acid
3 Glycolic acid
4 Formic acid
5 Pyruvic acid
6 Malonic acid
7 Acetic acid
8 Maleic acid
9 Citric acid