

Separation of sugars and organic acids

Method VFD0127J
HPLC IC mode

Column: Eurokat H, 10 µm, 300 x 8 mm ID

Order No. 30GX340EKN

Phase: Eurokat H, 10 µm

Conditions: Eluent: 0.01 N Sulfuric acid + 10 % ACN
Gradient: Isocratic
Flow rate: 0.8 ml/min
Temperature: 75 °C
Volume: 20 µL

Detection: RI

Sample pretreatment: Mixing of standard substances with following dilution in mobile phase

Substances: Glucose, Fructose, Saccharose, Benzoic acid, Sorbic acid

Keywords: Eurokat H, Organic acid, Sugar, AZURA Compact

Chromatogram:

- 1 Saccharose
- 2 Glucose
- 3 Fructose
- 4 Sorbic acid
- 5 Benzoic acid

Saccharose hydrolyzes under the chosen conditions and cannot be detected as a single peak.

The negative peak results from the sample that is not dissolved in the same solvent as the mobile phase.

