

Separation of Fructooligosaccharides (1-Kestose, Nystose, and Fructofuranosylnystose)

Method VFD0105J
HPLC

Column: Eurokat Pb, 300 x 8 mm ID

Order No. 30GX350EKN

Phase: Eurokat Pb, 10 µm (polymer phase)

Conditions: Eluent: Water
Gradient: isocratic
Flow rate: 0.5 ml/min
Temperature: 75 °C
Volume: 20 µL

Detection: Refractive Index (RI)

Substances: Fructofuranosylnystose (GF₄), Nystose (GF₃), 1-Kestose (GF₂), Saccharose, Glucose, Fructose

Keywords: Fructooligosaccharide, Oligosaccharide, Carbohydrate

Chromatogram:

- 1 Fructofuranosylnystose
5.0 g/L
- 2 Nystose
6.2 g/L
- 3 1-Kestose
4.4 g/L
- 4 Saccharose
10.3 g/L
- 5 Glucose
9.9 g/L
- 6 Fructose
12.2 g/L

