

Separation of Preservatives

Method
HPLC

VFD0056J
RP Mode

Column: Eurospher 100-5 C8, 125 x 4.0 mm ID

Order No. 12DE081ESJ

Phase: Eurospher 100-5 C8

Conditions: Eluent: A: Buffer / Methanol (50:20)
B: Buffer / Methanol (50:70)
Buffer: 0.4 ml Formic acid, 0.8 ml NH₃ (25%) filled with Water to 1l
Gradient: 0 – 15 min 0% - 100% B
15 – 20 min 100% B
Flow rate: 1.0 ml/min
Temperature: 30 °C
Volume: 20 µl

Detection: UV at 235 nm and 255 nm

Substances: Benzoic acid, 4-Hydroxy-benzoic acid, p-Hydroxy methylbenzoate, p-Hydroxy ethylbenzoate, p-Hydroxy propylbenzoate, p-Hydroxy butylbenzoate, 2-Methoxy benzoic acid, Sorbic acid

Keywords: Preservatives

Chromatogram:

1. 4-Hydroxy benzoic acid
2. 2-Methoxy benoic acid
3. Benzoic acid
4. Sorbic acid
5. p-Hydroxy methylbenzoate
6. p-Hydroxy ethylbenzoate
7. p-Hydroxy propylbenzoate
8. p-Hydroxy butylbenzoate

