

Separation of Additives in Softdrinks II

Method VFD0018J
HPLC RP Mode

Column: Eurospher II 100-3 C18P, 100 x 3.0 mm ID

Order No. 10CE182E2G

Phase: Eurospher II 100-3 C18P

Conditions: Eluent: A: 20 mM KH₂PO₄; pH 3
B: Methanol
Gradient: 0 – 6 min 10% - 25% B
6 – 8 min 25% B
8 – 12 min 25% - 40% B
12 – 16 min 40% B
16 – 18 min 40% - 10% B
Flow rate: 0.6 ml/min
Temperature: 45 °C
Volume: 2 µl

Detection: UV at 220 nm

Substances: Acesulfam, Saccharin, Vanilline, Caffeine, Aspartame, Benzoic acid, Sorbic acid

Keywords: Additives , Sweeteners , Softdrinks

Chromatogram:

1. Acesulfam
2. Saccharin
3. Vanilline
4. Caffeine
5. Aspartam
6. Benzoic acid
7. Sorbic acid

