

Paracetamol and Related Substances – Phase Selectivity

ACE[®]
Ultra-inert
UHPLC & HPLC Columns

Application #AN3580

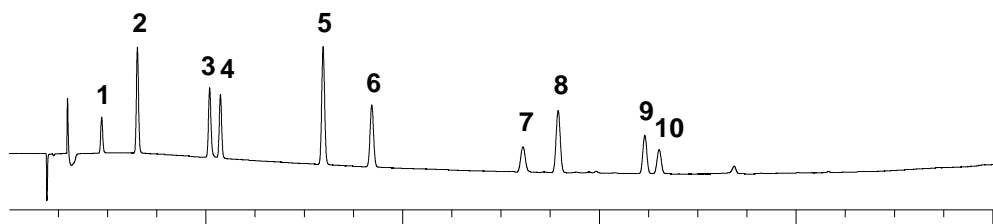
Conditions

Column: ACE Excel 2 C18-PFP, ACE Excel 2 C18-Amide, ACE Excel 2 CN-ES
Dimensions: 100 x 3.0 mm
Part Number: EXL-1010-1003U, EXL-1012-1003U, EXL-1013-1003U
Mobile Phase: A: 20 mM ammonium acetate pH 6.0 in H₂O
B: 20 mM ammonium acetate pH 6.0 in MeOH/H₂O (90:10 v/v)

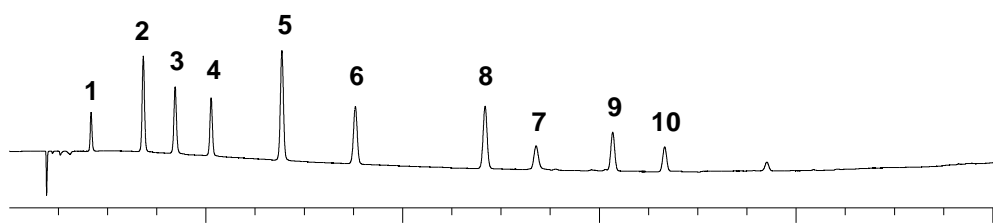
Time (mins)	%B
0.0	5
10.0	95
12.5	95
13.0	5

Flow Rate: 1.2 mL/min
Injection: 2 µL
Temperature: 40 °C
Detection: UV, 210 nm

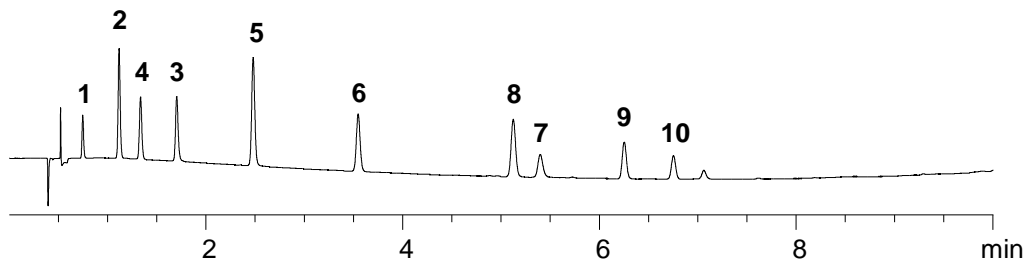
ACE Excel 2 C18-PFP 100 x 3.0 mm



ACE Excel 2 C18-Amide 100 x 3.0 mm



ACE Excel 2 CN-ES 100 x 3.0 mm



1. 4-Aminophenol
2. Hydroquinone
3. 2-Aminophenol
4. Paracetamol
5. 2-Acetamidophenol
6. Phenol
7. 4-Nitrophenol
8. 2-Nitrophenol
9. 4-Chloroacetanilide
10. 4-Chlorophenol