Triple API Pharmaceutical and Related Substances using Ultra Resolution

ACE® Ultra-inert UHPLC & HPLC Columns

Application #AN3560

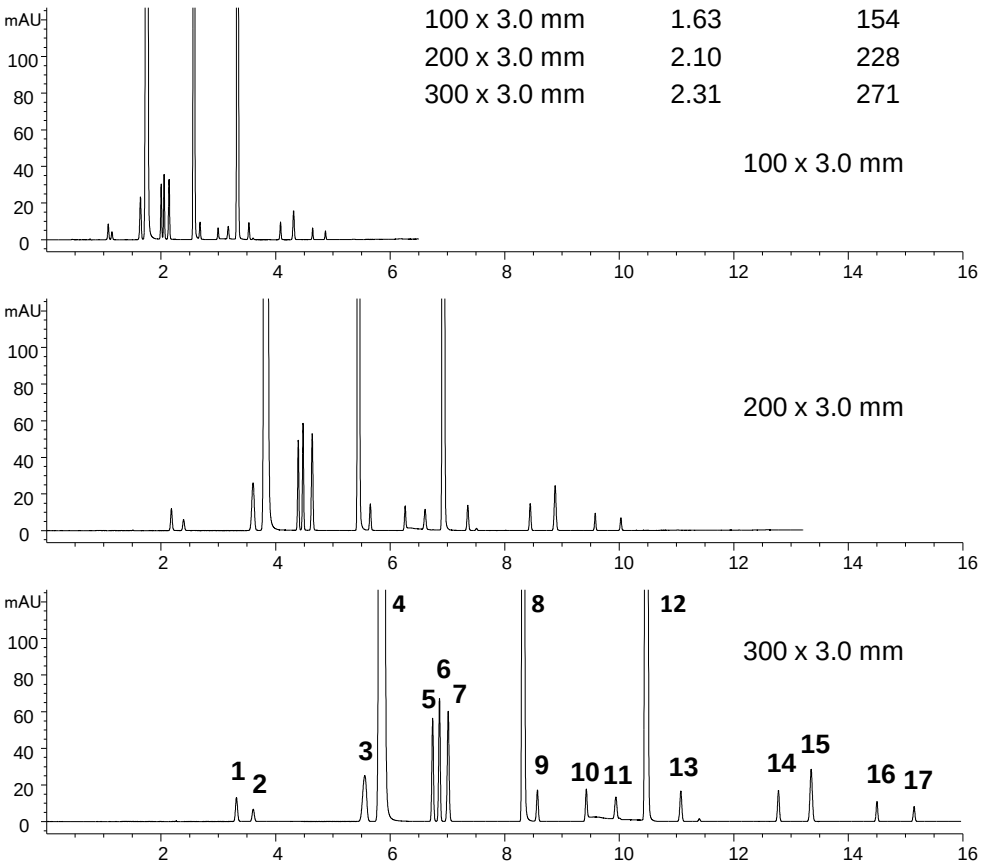
Conditions

Column: ACE Excel 1.7 SuperC18
Dimensions: 100 x 3.0 mm; 2 x 100 x 3.0 mm (coupled); 3 x 100 x 3.0 mm (coupled)
Part Number: EXL-1711-1003U
Mobile Phase: A: H_2O
B: MeCN
C: 200 mM ammonium formate pH 3.0

Time (mins)					
100 x 3.0 mm	**200 x 3.0 mm**	**300 x 3.0 mm**	**%A**	**%B**	**%C**
-	0	0	90	5	5
0	1.21	2.41	90	5	5
5	11.21	17.41	20	75	5
6	12.21	18.41	20	75	5
6.5	13.21	19.41	90	5	5

Flow Rate: 0.8 mL/min
Temperature: 80 °C
Detection: UV, 270 nm

Dimensions	Resolution, R_s 5,6	Peak Capacity, P_c
100 x 3.0 mm	1.63	154
200 x 3.0 mm	2.10	228
300 x 3.0 mm	2.31	271



1. 2-Aminophenol
2. Hydroquinone
3. Theobromine
4. Paracetamol
5. Paraxanthine
6. Theophylline
7. 4-Hydroxybenzoic acid
8. Caffeine
9. 2-Acetamidophenol
10. 2-Hydroxybenzoic acid
11. Phenol
12. Aspirin
13. 4-Nitrophenol
14. 4-Chloroacetanilide
15. 2-Nitrophenol
16. Acetylsalicylsalicylic acid
17. Salsalate

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