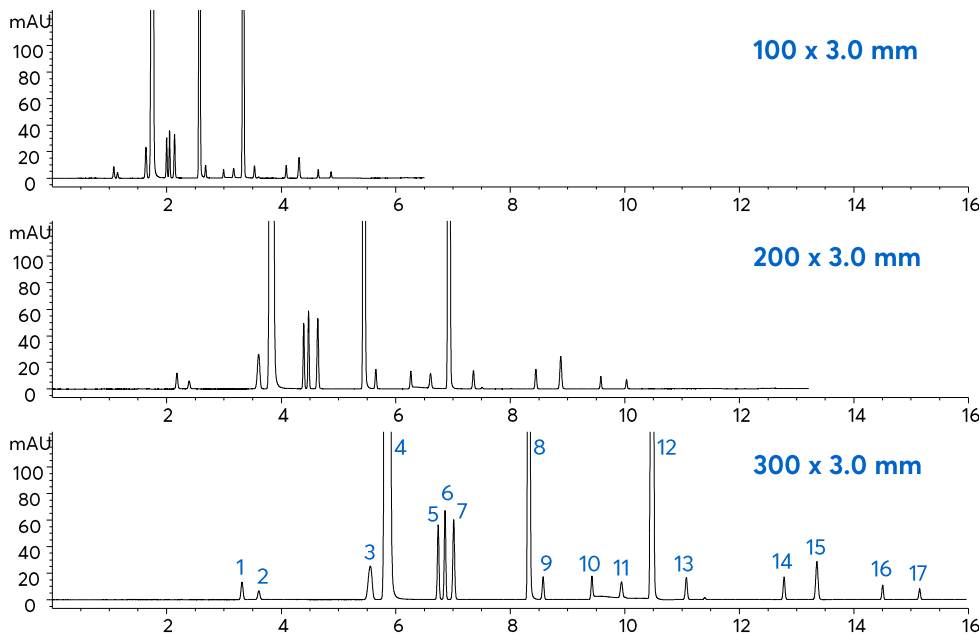


# Triple API Pharmaceutical and Related Substances using Ultra Resolution



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. Acetylsalicylic acid
17. Salsalate

# Method Details

## CONDITIONS

Column:	Avantor® ACE® Excel 1.7 SuperC18
Particle Size:	1.7 µm
Dimensions:	100 x 3.0 mm (x1, x2 or x3 coupled together)
Mobile Phase:	A: 10 mM ammonium formate in H <sub>2</sub> O B: 10 mM ammonium formate in MeCN/H <sub>2</sub> O 90:10

Time (mins)			% B
100 mm	200 mm	300 mm	
-	0	0	6
0	1.21	2.41	6
5	11.21	17.41	83
6	12.21	18.41	83
6.5	13.21	19.41	6

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

Dimensions	Resolution (R <sub>s</sub> ) 5,6	Peak Capacity (P <sub>c</sub> )
100 x 3.0 mm	1.63	260
200 x 3.0 mm	2.10	387
300 x 3.0 mm	2.31	459

## ORDERING TABLE

Product	Details	Size	Part Number
Avantor® ACE® Excel 1.7 SuperC18	UHPLC Column	100 x 3.0 mm	EXL-1711-1003U
Acetonitrile	VWR CHROMANORM® super gradient grade	2.5 L	83639.320
Water	VWR CHROMANORM® super gradient grade	2.5 L	83650.320
Ammonium formate	VWR CHROMANORM® for LC-MS	100 g	84884.180