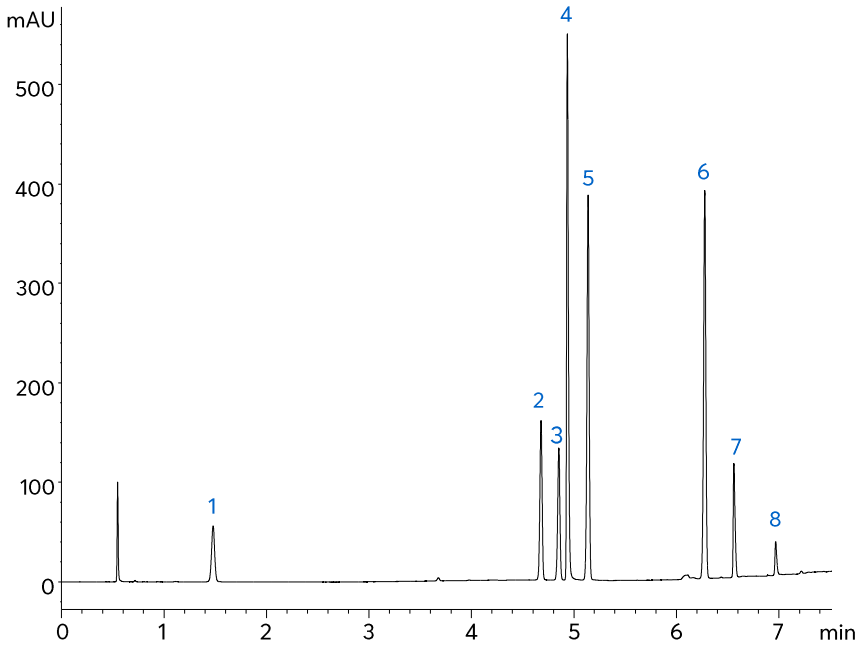
Chromatography Solutions

Application note #4820

Antiseptics and Preservatives



1. D-Panthenol
2. Sorbic acid
3. Benzoic acid
4. Chlorhexidine
5. Methyl paraben
6. Propyl paraben
7. Domiphen
8. Cetylpyridinium

Avantor® ACE®

Method Details

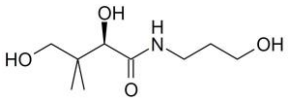
CONDITIONS

Column:	Avantor® ACE® Excel® 3 C18-Amide
Particle Size:	3 µm
Dimensions:	100 x 4.6 mm
Mobile Phase:	A: 0.1% phosphoric acid (aq)
	B: 0.1% phosphoric acid in MeCN

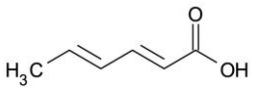
Gradient:

Time (mins)	% B
0	5
2	5
8	90
9	90
9.5	5

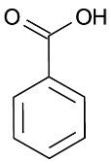
Flow Rate:	2.0 mL/min
Injection:	1 µL
Temperature:	40 °C
Detection:	UV, 210 nm
Instrument:	Chromaster UltraRs



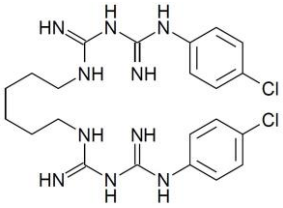
D-Panthenol



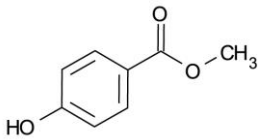
Sorbic acid



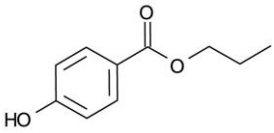
Benzoic acid



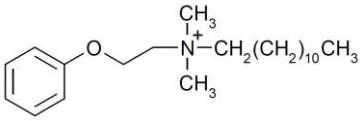
Chlorhexidine



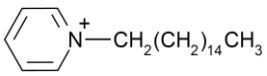
Methyl paraben



Propyl paraben



Domiphen



Cetylpyridinium

ORDERING TABLE

Product	Details	Size	Part Number
Avantor® ACE® Excel® 3 C18-Amide	HPLC Column	100 x 4.6 mm	EXL-1112-1046U
Acetonitrile	VWR CHROMANORM® super gradient grade	2.5 L	83639.320
Water	VWR CHROMANORM® super gradient grade	2.5 L	83650.320
Orthophosphoric acid 85%	VWR NORMAPUR® analytical reagent	500 mL	20624.262

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