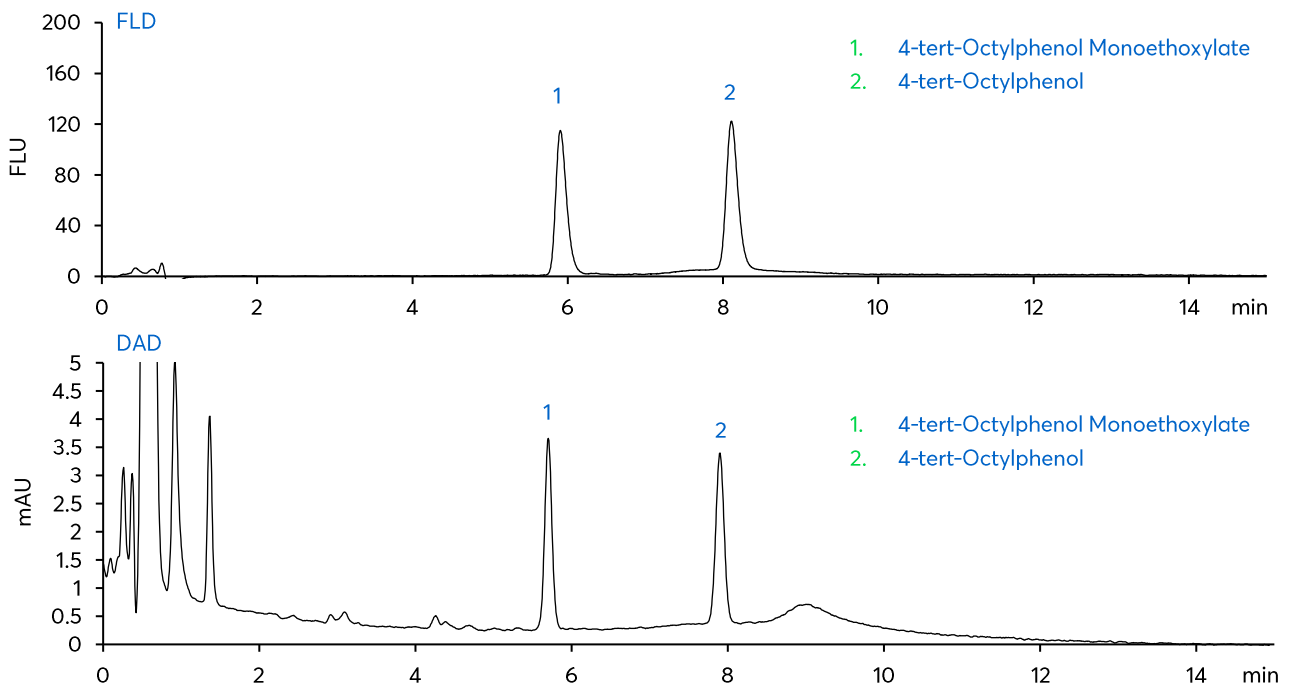


Application note #7730

HPLC Separation of 4-tert-Octylphenol Monoethoxylate and 4-tert-Octylphenol



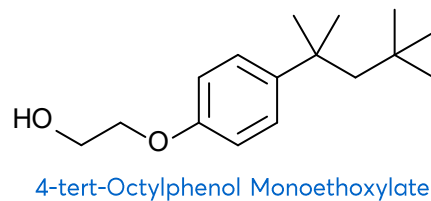
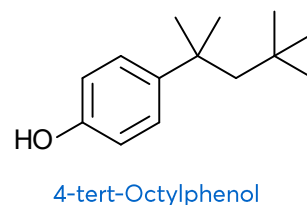
Method Details

CONDITIONS

Column:	Avantor® ACE® Excel® 3 C18-Amide
Particle Size:	3 µm
Dimensions:	100 x 3.0 mm
Instrument:	VWR Hitachi Chromaster HPLC system with 5530 DAD and 5440 Fluorescence Detector
Mobile Phase:	A: H ₂ O B: MeCN

Gradient:	Time (mins)	% B
	0	50
	6	60
	7	50
	12	50

Flow Rate:	1 mL/min
Injection:	5 µL of standards with 5 µg/mL
Temperature:	30 °C
Detection:	UV (220 nm), FL (Ex 275 nm, Em 300 nm)



ORDERING TABLE

Product	Details	Size	Part Number
Avantor® ACE® Excel® 3 C18-Amide	HPLC Column	100 x 3.0 mm	EXL-1112-1003U
Acetonitrile	VWR HiPerSolv CHROMANORM® for LC-MS	1 L	83640.290
Water	VWR CHROMANORM® super gradient grade	2.5 L	83650.320
VWR Hitachi Chromaster HPLC	600 bar HPLC system. Includes 5430 DAD		903-0355
Chromaster 5440 Fluorescence Detector			903-0164