Waters™

Applikationsbericht

Speed Mix - 2.1 x 20 mm Intelligent Speed Separation

Waters Corporation



This is an Application Brief and does not contain a detailed Experimental section.

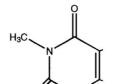
Abstract

This application brief demonstrates analysis of speed mix using 2.1 x 20 mm Intelligent Speed Separation Column.

Introduction



- 1. Theophylline
- 2. 2-Acetylfuran
- 3. Acetanilide
- 4. Acetophenone
- 5. Propiophenone
- 6. Butyrophenone
- 7. Benzophenone
- 8. Valerophenone
- 9. Hexanophenone
- 10. Heptanophenone
- 11. Octanophenone





1. Theophylline

2. 2-Acetylfuran

3. Acetanilide





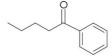


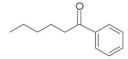
4. Aceophenone

5. Propiophenone

6. Butyrophenone



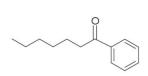




7. Benzophenone

8. Valerophenone

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10. Heptanophenone

11. Octanophenone

Experimental

HPLC Method

Column: Symmetry C_{18} , 2.1 x 20 mm, 3.5 μ m IS

Symmetry Shield RP₁₈, 4.6 x 20 mm, 3.5 μm IS

Part numbers: Symmetry - 186002066

Symmetry Shield - 186002068

Mobile phase A: 0.1% HCOOH in Water

Mobile phase B: 0.1% HCOOH in ACN

Flow rate: 0.6 mL/min

Injection volume: $5 \mu L$

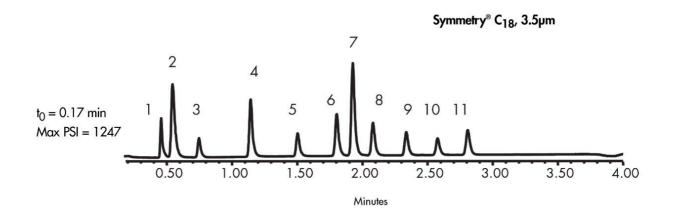
Temperature: 30 °C

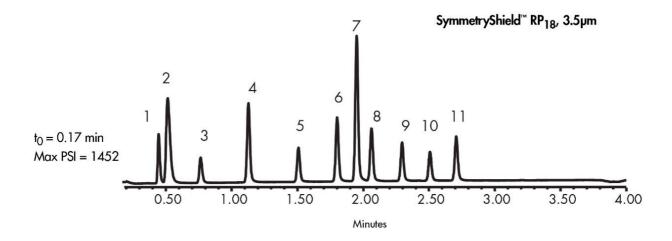
Detection: UV @ 254 nm

Gradient

Time (min)	Profile	
	%A	%B
0	100	0
4	0	100

Results and Discussion





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