

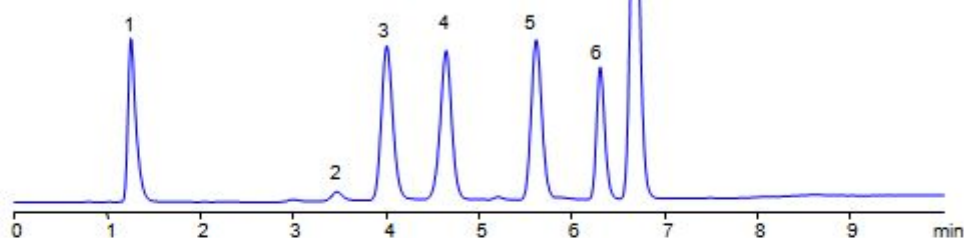
HPLC Method for Analysis of Pesticides: Thiamphenicol, Aniline, Simazine, Alachlor, Thiabendazole, Diazinon, Trifluralin on Primesep B2 Column

<https://sielc.com/separation-of-pesticides>

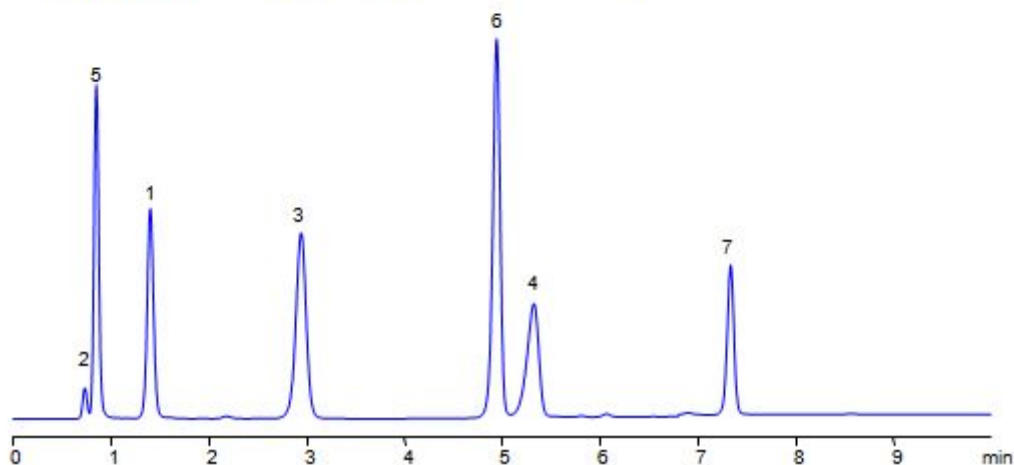
Chromatogram

Column: Primesep 100
Size: 3.2 x 100 mm
Mobile phase: MeCN gradient from 35% to 85% in 6 min, 4 min hold
H₂SO₄ gradient from 0.05% to 0.15% in 6 min, 4 min hold
Flow: 0.6 mL/min
Detection: UV 230 nm

1. Thiamphenicol
2. Aniline
3. Simazine
4. Alachlor
5. Thiabendazole
6. Diazinon
7. Trifluralin



Column: Primesep B2
Size: 3.2 x 100 mm
Mobile phase: MeCN gradient from 35% to 85% in 6 min, 4 min hold
H₂SO₄ gradient from 0.05% to 0.15% in 6 min, 4 min hold
Flow: 0.6 mL/min
Detection: UV 230 nm



Method Parameters

Mobile Phase

Gradient MeCN – 35-85%, 6 min , 4 min hold

Buffer

Gradient H₂SO₄ – 0.05- 0.15%, 6 min, 4 min hold

Flow Rate

0.6 ml/min

Detection	UV, 230 nm
Class of Compounds	Drug, Acid, Hydrophilic, Ionizable, Vitamin, Supplements
Analyzing Compounds	Thiamphenicol, Aniline, Simazine, Alachlor, Thiabendazole, Diazinon, Trifluralin

HPLC Column Used

Primesep B2, 3.2×100 mm, 5 µm, 100A

[Order this column at hplc-shop.de →](http://hplc-shop.de)