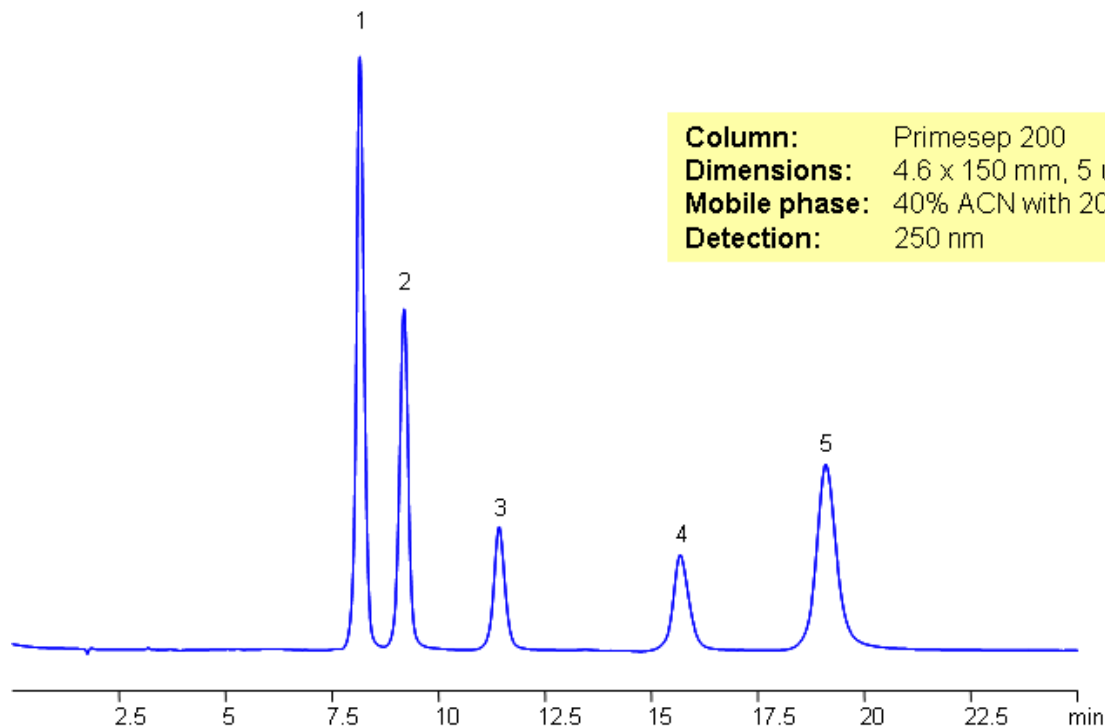


Separation of Toluidine and Aminobiphenyl Isomers

<https://sielc.com/Application%20Separation%20of%20Toluidine%20and%20Aminobiphenyl%20Isomers>

Chromatogram

1. o-Toluidine
2. 2-Aminobiphenyl
3. m-Toluidine
4. p-Toluidine
5. 4-Aminobiphenyl



Column: Primesep 200
Dimensions: 4.6 x 150 mm, 5 μ m, 100A
Mobile phase: 40% ACN with 20 mmol AmFm pH 3.5
Detection: 250 nm

Description

Toluidine isomers and aminobiphenyl isomers are organic compounds each with a substituted amine group. Primesep 200 was used to separate these isomers. Primesep 200 separates isomers by interacting with polar molecules, retaining basic compounds, and additionally by reverse phase mechanism.

Method Parameters

Mobile Phase	MeCN/H ₂ O
Buffer	AmFm Ph 3.5
Flow Rate	1.0 ml/min
Detection	UV, 250 nm
Class of Compounds	Hydrophobic, Ionizable
Analyzing Compounds	o-Toluidine, 2-Aminobiphenyl, m-Toluidine, p-Toluidine, 4-Aminobiphenyl

HPLC Column Used

Primesep 200, 4.6x150 mm, 5 μ m, 100A

[Order this column at hplc-shop.de →](#)