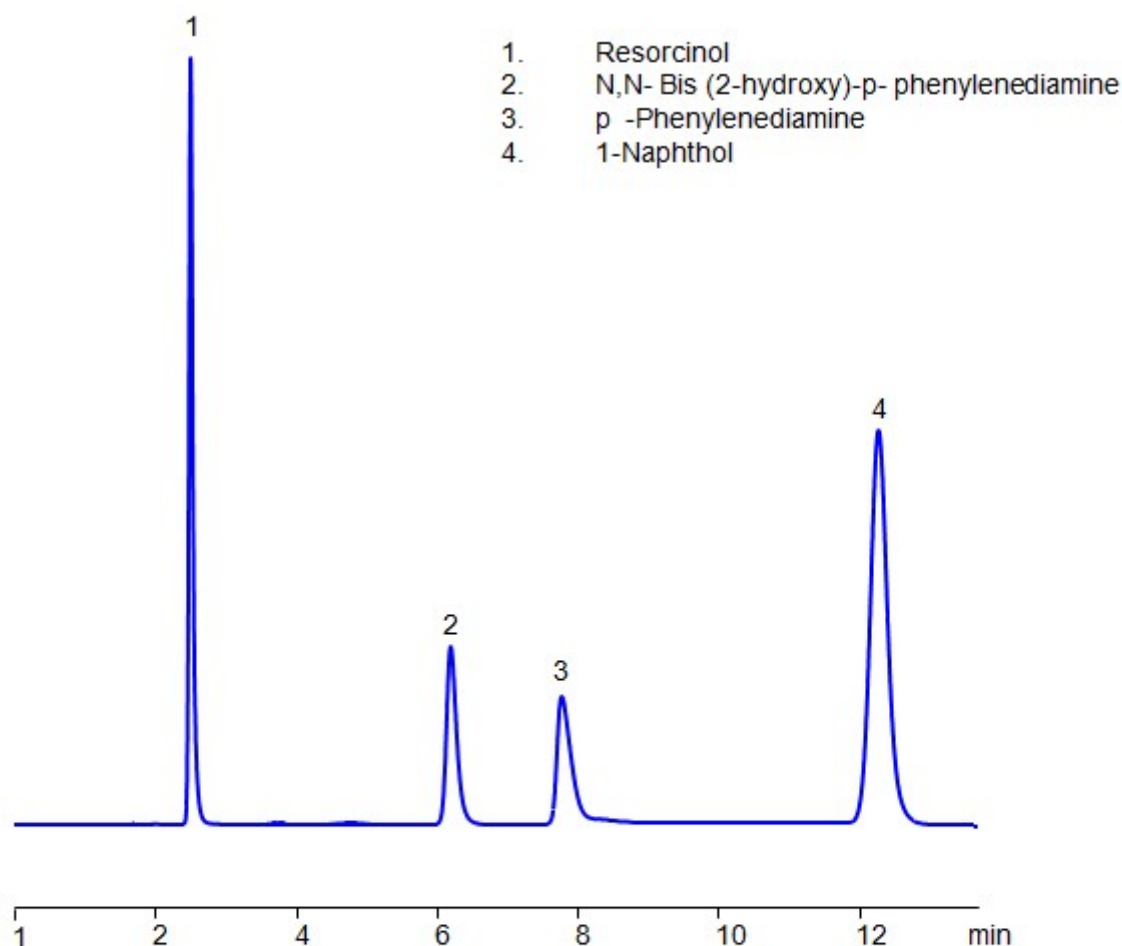


HPLC Method for Separation of a Mixture of Resorcinol, N,N-Bis (2-hydroxy)-p-phenylenediamine, p-Phenylenediamine and 1-Naphthol on Primesep 100 Column

<https://sielc.com/hplc-method-for-analysis-mixture>

Chromatogram



Column: Primesep 100
Column size: 4.6 × 150 mm, 5 µm
Column part number: 100-46.150.0510
Mobile phase: MeCN/H₂O – 30/70%
Buffer: H₂SO₄ - 0.2%
Flow rate: 1.0 mL /min
Detection: UV 210 nm
Column Temp: 30C

Method Parameters

Mobile Phase	MeCN/H ₂ O – 30/70%
Buffer	H ₂ SO ₄ -0.2%
Flow Rate	1.0 ml/min

Detection	UV 210 nm
Samples	N,N-Bis(2-hydroxy)-p-phenylenediamine (0.7 mg/mL)p-Phenylenediamine (1.3 mg/mL)1-Naphthol (0.18 mg/mL)Resorcinol (0.28 mg/mL)
Injection volume	3 µl
Class of Compounds	Phenols, Aromatic amines
Analyzing Compounds	Resorcinol,1-Naphthol,N,N-Bis(2-hydroxy)-p-phenylenediamine sulfate,p-Phenylenediamine

HPLC Column Used

Primesep 100, 4.6 x 150 mm, 5 µm, 100 A, dual ended

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