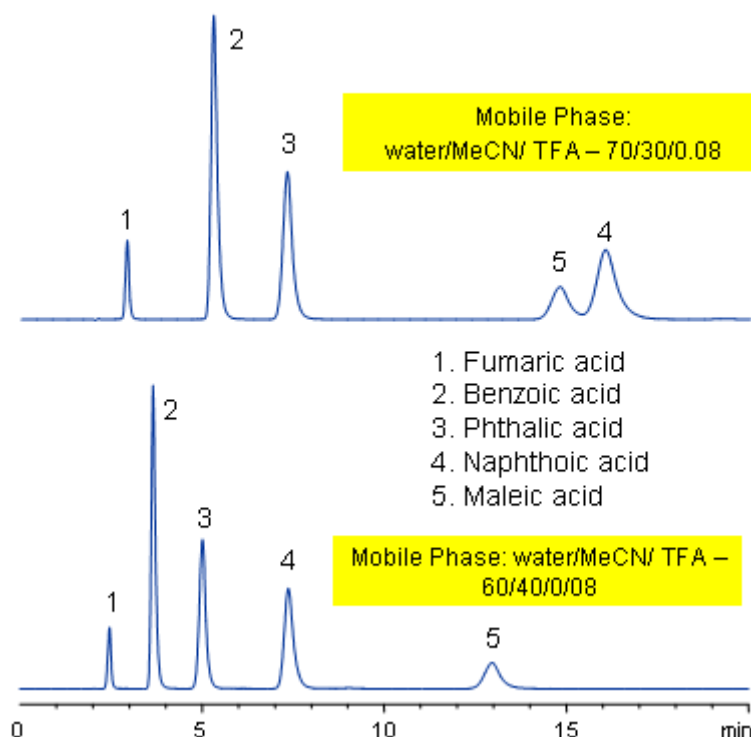


Separation of Diacid Hydrophobic and Ion Exchange Modes

<https://sielc.com/Application-Separation-of-Diacid-Hydrophobic-and-Ion-Exchange-Modes>

Chromatogram

Primesep B column 150 x 4.6 mm Detection: UV 250 nm



Description

Primesep B combines a hydrophobic, reversed-phase mechanism with ion exchange to separate the diacids, fumaric, benzoic, phthalic, naphthoic, and maleic acids. Changing the acetonitrile content of the mobile phase reverses the peak order for naphthoic and maleic acids. Primesep B combines reversed-phase and anion-exchange mechanism with a mobile phase of water, acetonitrile (MeCN, ACN) and trifluoroacetic acid (TFA) and UV detection at 250 nm.

Method Parameters

| | |
|---------------------|---|
| Mobile Phase | MeCN/H ₂ O |
| Buffer | TFA |
| Flow Rate | 1.0 ml/min |
| Detection | UV, 250 nm |
| Class of Compounds | Acid, Hydrophilic, Ionizable |
| Analyzing Compounds | Fumaric acid, Benzoic acid, Phthalic acid, Naphthoic acid, Maleic acid,) |

HPLC Column Used

Primesep B, 4.6x150 mm, 5 µm, 100A

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