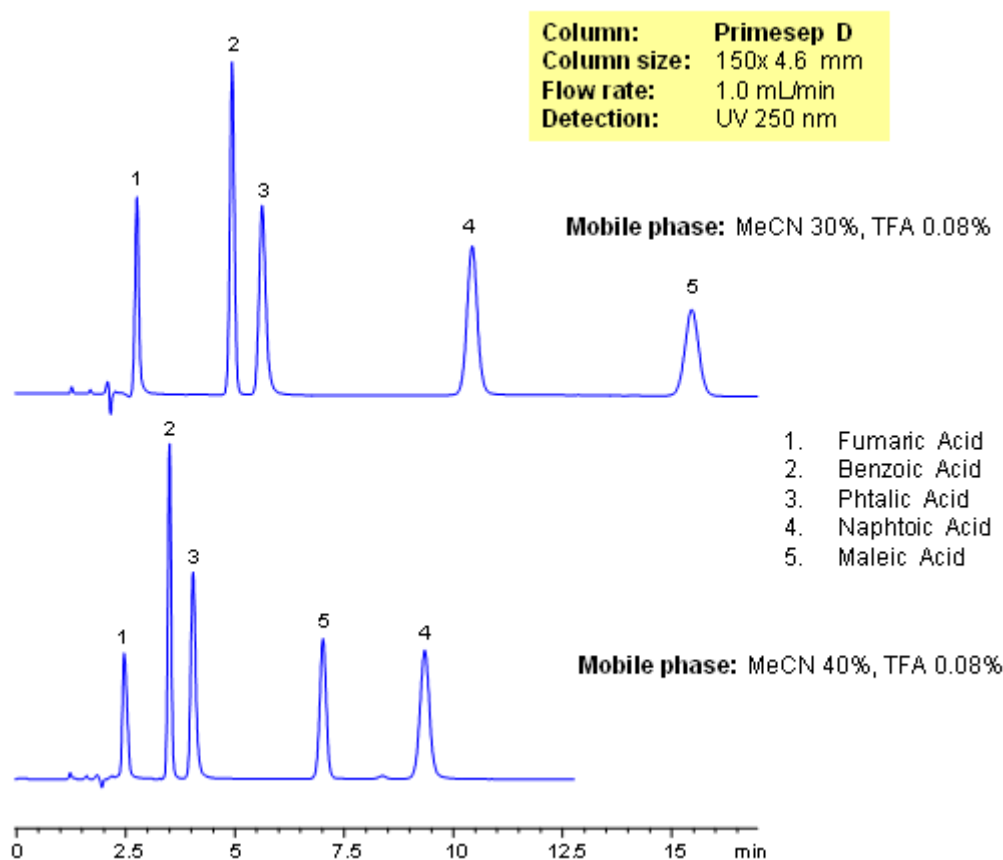


HPLC Separation of Organics Acids

<https://sielc.com/HPLC%20Separation%20of%20Organics%20Acids>

Chromatogram



Description

Primesep D separates organic acids such as fumaric, benzoic, phthalic, naphthoic, and maleic acids by a mixture of anion exchange and reversed phase. Retention times and elution order can be changed by adjusting the percentage of acetonitrile in the mobile. This can not be done by traditional ion-exchange and ion-exclusion chromatography. The HPLC separation uses 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	AmFm
Flow Rate	1.0 ml/min
Detection	UV 250 nm
Class of Compounds	Acid, Hydrophilic, Ionizable
Analyzing Compounds	Fumaric Acid, Benzoic Acid, Phthalic Acid, Maleic Acid, Naphtoic Acid

HPLC Column Used

Primesep D, 4.6x150 mm, 5 µm, 100A

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