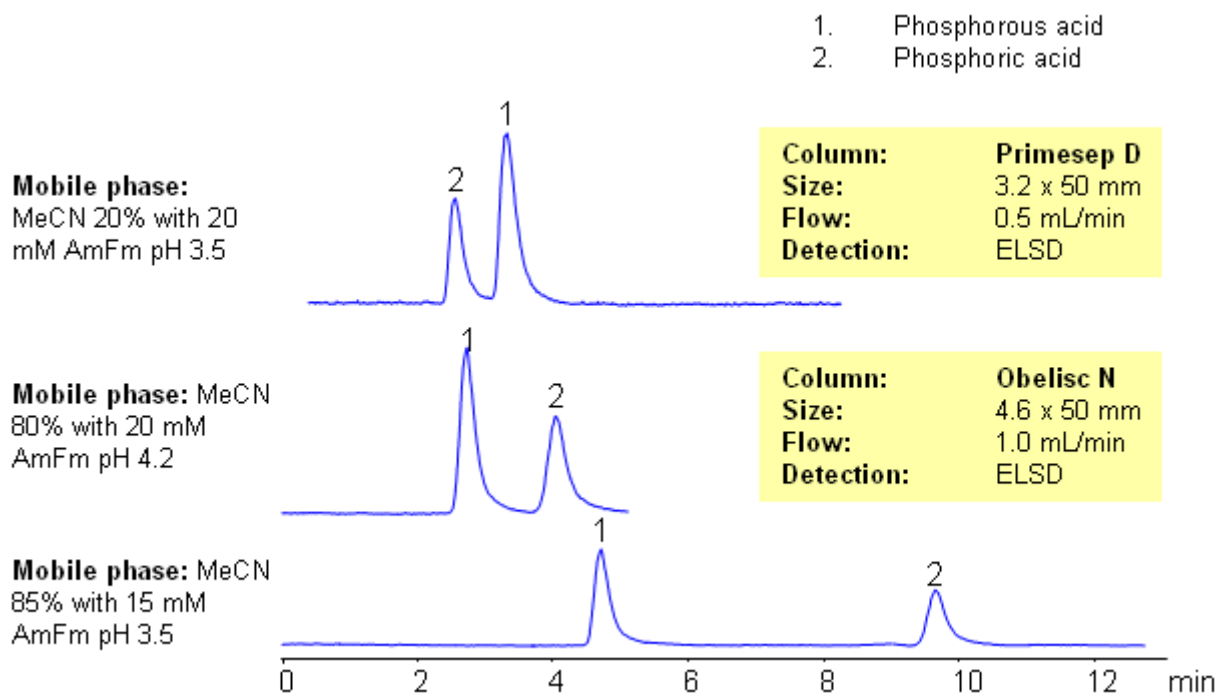


HPLC Separation of Phosphorous and Phosphoric Acids

<https://sielc.com/HPLC%20Separation%20of%20Phosphorous%20and%20Phosphoric%20Acids>

Chromatogram



Description

Application Notes: Phosphorus and phosphoric acid were separated on Obelisc N and Primesep D columns. On Obelisc N both acids retained by combination of HILIC and anion-exchange mechanisms. On Primesep D these inorganic acids are retained by anion-exchange mechanism. Both columns and methods can be used for analysis of hydrophilic organic and inorganic acids with multi-mode or single mode approach Application Columns: Primesep D, Obelisc N Application compounds: Phosphorous Acid, Phosphoric Acid Detection technique: UV, LC/MS, ELSD/CAD

Method Parameters

Mobile Phase	MeCN
Buffer	AmFm
Flow Rate	1.0 ml/min
Detection	ELSD
Class of Compounds	Acid, Fungicide, Hydrophilic, Ionizable
Analyzing Compounds	Phosphorous Acid, Phosphoric Acids

HPLC Column Used

Obelisc N, 4.6x50 mm, 5 µm, 100A

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