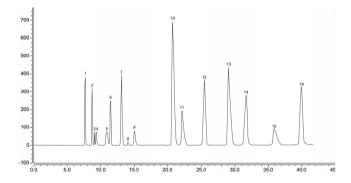
Ultisil® OAA Column

Ultisil ® OAA is a dedicated reversed-phase column developed by Welch Materials for the detection of water-soluble organic acids. It is designed for efficient and high-throughput organic acid analysis. Compared with the conventional reversed-phase C18 column, OAA column has better performance and higher resolution with more uniform peaks through improvement of the unique bonding technology.

For water-soluble organic acids with larger polarity, if the proportion of organic phase reduces to 5% on C18 column, effective retention may not be achieved. Further reduction of the organic phase or even 100% of the aqueous phase, is prone to cause phase collapse. With optimized bonding technology and the surface hydrophilic treatment of packing materials, Ultisil ® OAA column can greatly improve the column's resistance to aqueous phase and the peak shape of organic acid compounds.

Characteristics of Ultisil® OAA Column

- pH range 2.0-8.0, excellent separation ability for hydrophilic organic acids
- Each column has been tested to ensure excellent hydrolysis stability for hydrophilic organic acid analysis
- Compatible with 100% aqueous phase, having good retention for polar compounds
- Ideal selectivity for a variety of organic acids, with high column efficiency and excellent peak shape
- Excellent in separating hydroxyl fatty acids and aromatic organic acids, optimal choice for organic acid
 analysis in the pharmaceutical industry, food and beverage detection industry



Separation of 16 kinds of organic acids

Tartaric acid 8 Lactic acid 4 Acrylic acid

Quinic acid

9 Acetic acid

Methanoic acid

10 Maleic acid

5 Pyruvic acid 11 Citric acid

6 Malic acid 12 Fumaric acid

Column: Welch Ultisil® OAA 4.6×300mm Mobile phase: A: 0.01 mol/L KH₂PO₄ solution

B: methanol, gradient elution

Column temperature: 32 °C

Flow rate: 0.5 mL/min Wavelength: 210 nm Injection volume: 5 µL

Ordering information

Product	P/N	Specification
Ultisil® OAA column	00278-31044	4.6×300 mm

BGB GC LC MS CE

www.bgb-shop.com

Propionic acid

6 Citraconic acid

Switzerland: BGB Analytik AG • Rohrmattstrasse 4 • 4461 Böckten • Phone +41 61 991 00 46 • Fax +41 61 991 00 25 • sales@bgb-analytik.com

BGB Analytik SA • Route de Pré-Bois 20 • 1215 Genève 15 • Phone +41 22 788 49 43 • Fax +41 22 788 49 45 • sales.fr@bgb-analytik.com

Benelux: BGB Analytik Benelux B.V. • Drielandendreef 42-44 • 3845 CA Harderwijk • Phone +31 341 700270 • Fax +31 341 700271 • sales.benelux@bgb-analytik.com

BGB Analytik France S.A.S. • 81 Vie de l'Etraz • 01630 St. Jean de Gonville • Phone +33 450 488567 • Fax +33 450 562378 • sales.fr@bgb-analytik.com

Germany: BGB Analytik Vertrieb GmbH • Mühlestraße 1 • 79539 Lörrach • Phone +49 7623 7173110 • Fax +49 7623 7173199 • sales.de@bgb-analytik.com