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Ultisil OAA column catalogue

Welch

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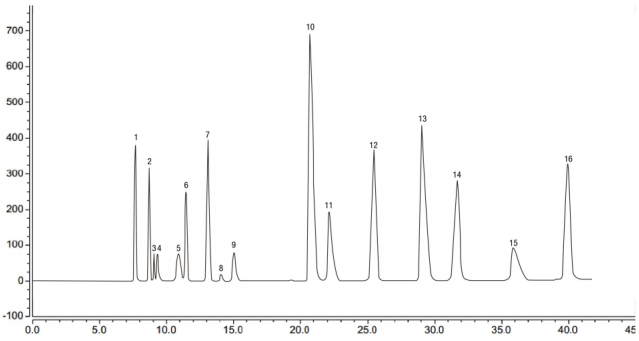
Ultisil® OAA Column

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

1. Oxalic acid
2. Tartaric acid
3. Quinic acid
4. Methanoic acid
5. Pyruvic acid
6. Malic acid
7. Ascorbic acid
8. Lactic acid
9. Acetic acid
10. Maleic acid
11. Citric acid
12. Fumaric acid
13. Cis-aconitic acid
14. Acrylic acid
15. Propionic acid
16. Citraconic acid

Column：Welch Ultisil® OAA 4.6×300mm
Mobile phase：A：0.01 mol/L KH_2PO_4 solution
B：methanol, gradient elution
Column temperature：32 ℃
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

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