

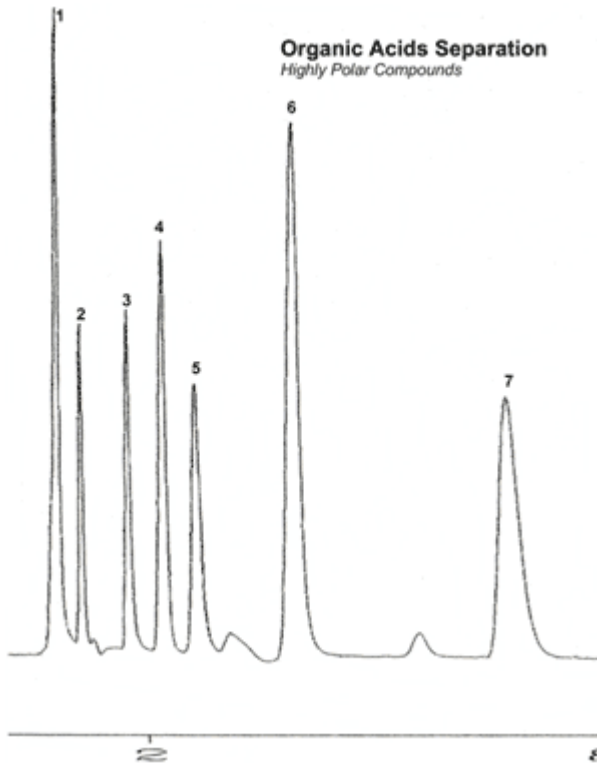


HPLC
PRODUCTS

Cogent Bidentate C18™
Organic Acids Separation

HPLC Application Sheet

Organic Acids Separation



Method Conditions

Column: Cogent Bidentate C18™
Catalog No.: 40018-7.5R
Dimensions: 75mm x 4.6mm id
Flow Rate: 1ml/minute
Mobile Phase: 100% Aqueous H₃PO₄ 0.05%
v/v
Detection: UV 255nm

PEAKS

1. Oxalic Acid
2. Formic Acid
3. Acetic Acid
4. Sodium Azide
5. Uracil
6. Fumaric Acid
7. Propionic Acid

Discussion of the Chromatogram:

These very polar compounds are very difficult to hold up in reverse phase on traditional C18 HP Columns. The Cogent Bidentate C18™ is able to retain separate these compounds isocratically 100% Aqueous condition without the loss of retention time, efficiency or peak shape. In this experiment this column is run for 3 hours exposure to Aqueous conditions with no change in the results.