

Simultaneous Isocratic Determination of Eight Organic Fruit Acids in Juices And Non-Alcoholic Beverages Using HPLC-UV

The method is intended for the isocratic determination of eight organic fruit acids in juices and non-alcoholic beverages using simple isocratic 400 bar HPLC system with a conventional UV detector.

Chromatogram

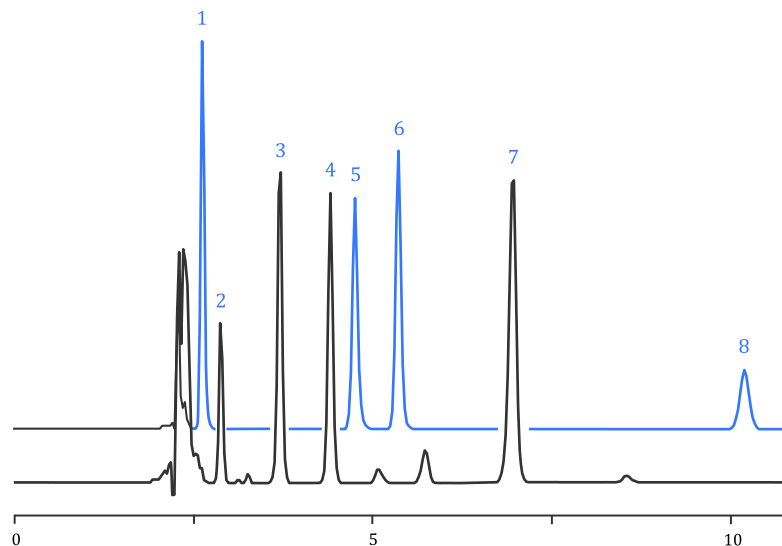
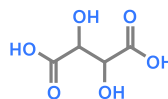


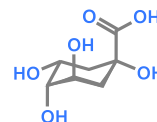
Figure 1. Isocratic determination of eight organic fruit acids.
Detection: UV 210 nm

Analytes

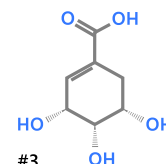
1. Tartaric acid, 2. Quinic acid, 3. Shikimic acid, 4. Malic acid, 5. Lactic acid, 6. Acetic acid, 7. Citric acid, 8. Succinic acid



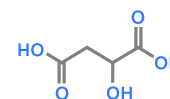
#1
Tartaric acid



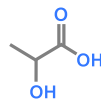
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Quinic acid



#3
Shikimic acid



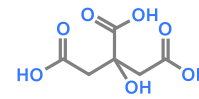
#4
Malic acid



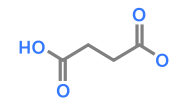
#5
Lactic acid



#6
Acetic acid



#7
Citric acid



#8
Succinic acid