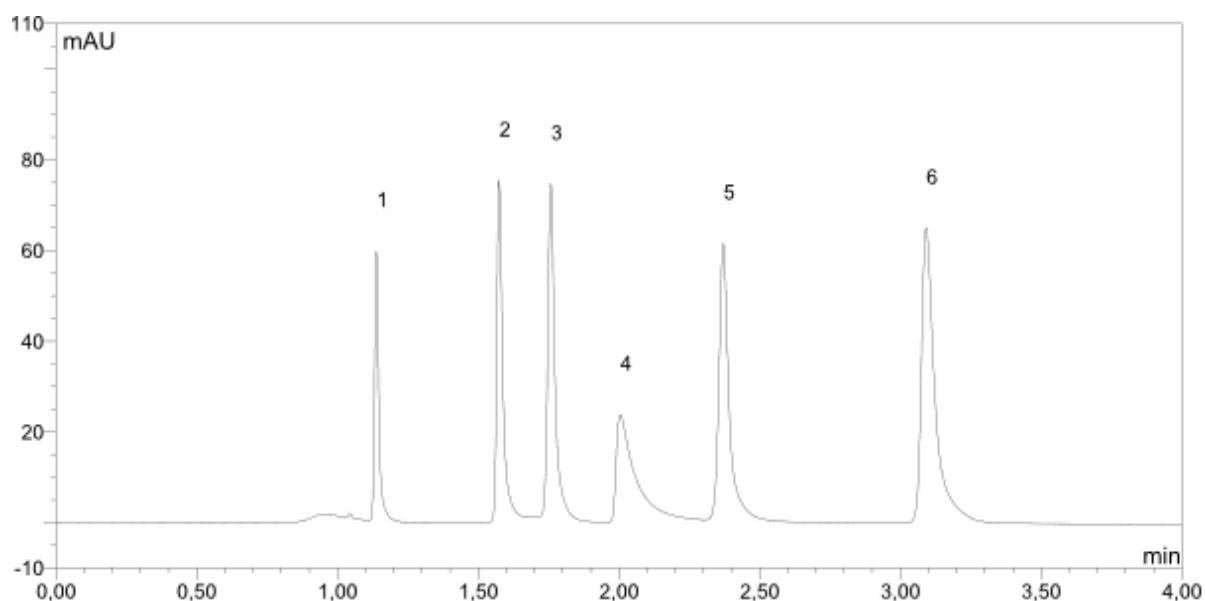


Separation of organic acid isomers on core-shell phase

Application Number 128600



Legend	<p>1 - tartaric acid</p> <p>2 - lactic acid</p> <p>3 - acrylamide</p> <p>4 - maleic acid</p> <p>5 - fumaric acid</p> <p>6 - acrylic acid</p>
Column	EC 150/4 NUCLEOSHELL Bluebird RP 18, 2.7 μ m
REF	763436.40
Sample(s)	<p>Stock solution Tartaric acid: 10 mg/5 mL water; Lactic acid: 10 mg/1 mL water; Acrylamide: 5 mg/5 mL water; Maleic acid: 10 mg/10 mL water; Fumaric acid: 5 mg/5 mL water; Acrylic acid: 10 mg/1 mL water; For a good solubility an ultra sonic bath is recommendable!</p> <p>Sample solution: Mix the stock solution with the following parts. Tartaric acid 150 μL, Lactic acid 500 μL, Acrylamide 50 μL, Maleic acid 50 μL, Fumaric acid 50 μL, Acrylic acid 125 μL</p>
Conditions	Eluent: 50 mmol/L potassium dihydrogenphosphate, pH 2.5
Flow rate	1.0 mL/min
Temperature	40 °C
Injection volume	3 μ L

Detection UV, 210 nm

Author HPLC department

Source MACHEREY-NAGEL, Germany 2017