

IC Application Note No. C-68

Title: Cations in functional fruit juice using inline dialysis

Summary: Determination of sodium, ammonium, potassium, calcium and magnesium in a functional fruit juice using cation chromatography with direct conductivity detection after advanced dialysis as inline sample preparation.

Sample: Functional fruit juice

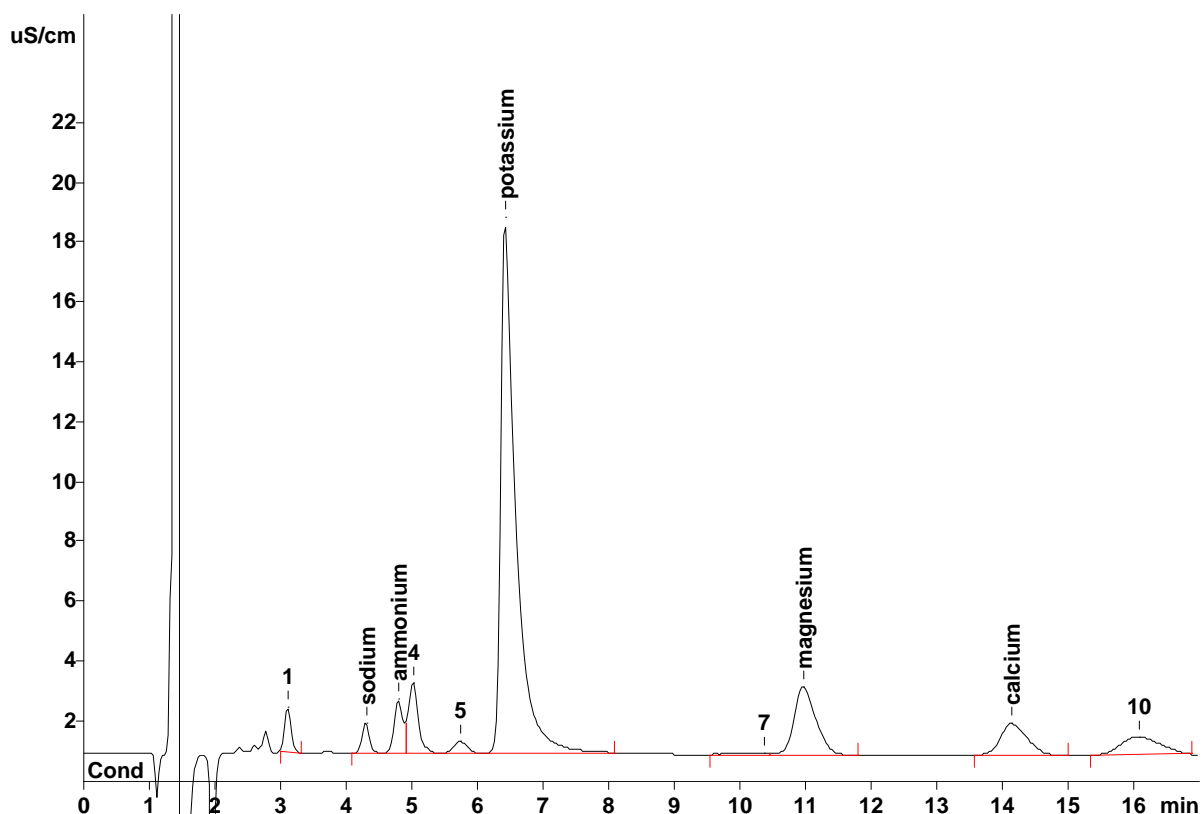
Sample Preparation: Dilution 1 : 20 with ultrapure water

Column: 6.1010.220 Metrosep C 2 – 150

Eluent: 2.5 mmol/L nitric acid, 5% acetonitrile

Flow: 1.0 mL/min

Injection Volume: 20 µL after inline dialysis



Results:	Sodium mg/L	Ammonium mg/L	Potassium mg/L	Magnesium mg/L	Calcium mg/L
	26.6	42.7	1758	98.3	100.9