

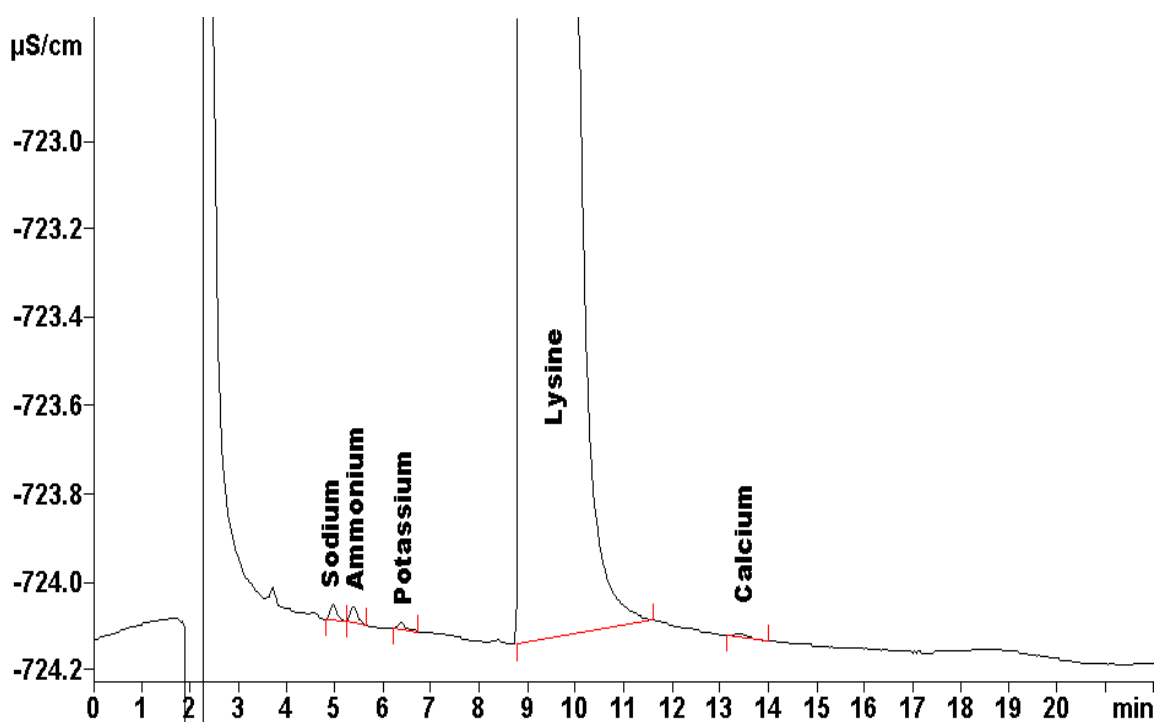
IC Application Note No. C-113

Title: Determination of lysine and standard cations in a lysine sample

Summary: Determination of lysine as well as sodium, ammonium, potassium and calcium in bulk lysine using cation chromatography with direct conductivity detection.

Sample: Bulk lysine
Sample Preparation: 50 mg diluted in 100 mL ultrapure water

Column: 6.1010.220 Metrosep C 2 – 150
Eluent: 2.7 mmol/L oxalic acid
Flow: 1.0 mL/min
Injection Volume: 20 μ L



Results:	Sodium mg/kg	Ammonium mg/kg	Potassium mg/kg	Calcium mg/kg	Lysine %
	2.1	0.14	0.07	0.04	98