

IC Application Note No. C-84

Title: Ammonium, magnesium and calcium in liquid fertilizer

Summary: Determination of ammonium, potassium magnesium and calcium in a liquid fertilizer using cation chromatography with direct conductivity detection.

Sample: Liquid fertilizer

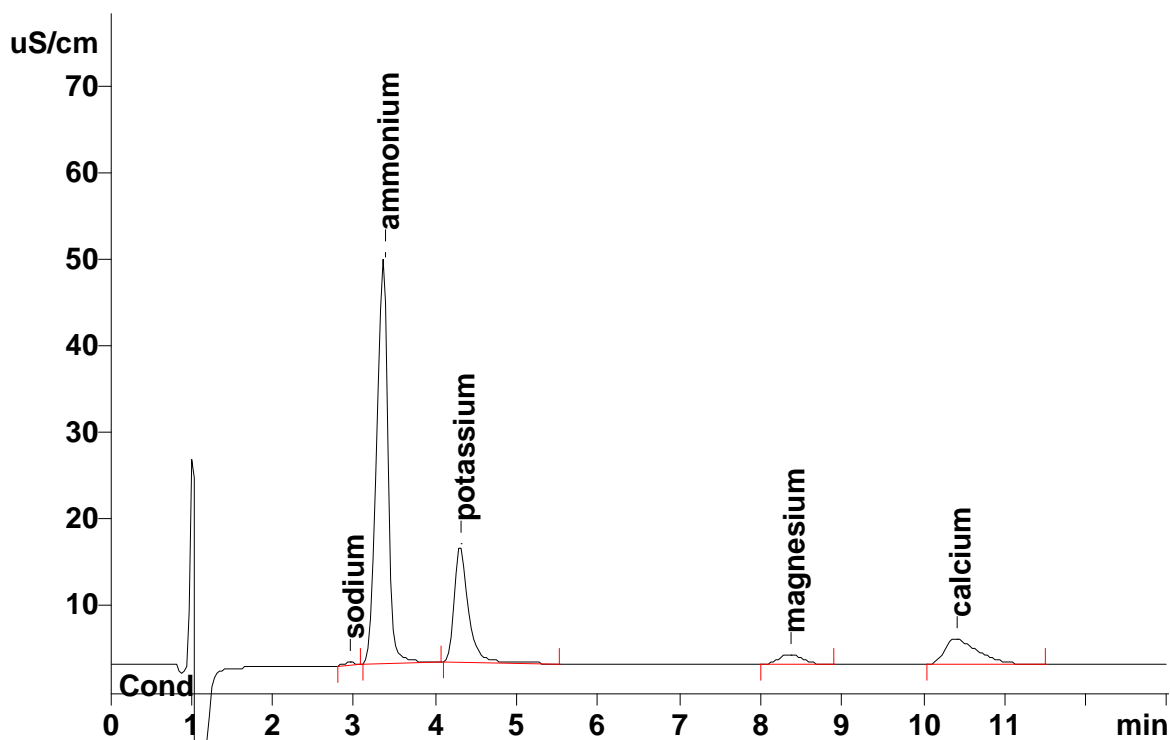
Sample Preparation: Dilution 1 : 1000, no digestion required

Column: 6.1010.210 Metrosep C 2 – 100

Eluent: 2.5 mmol/L nitric acid

Flow: 1.0 mL/min

Injection Volume: 10 μ L



Results:	Sodium	Ammonium as $\text{NH}_4 - \text{N}$	Potassium	Magnesium	Calcium
%	n.q.	3.49	3.42	0.81	0.13

See AN S-207 for the determination of anions in liquid fertilizer.