

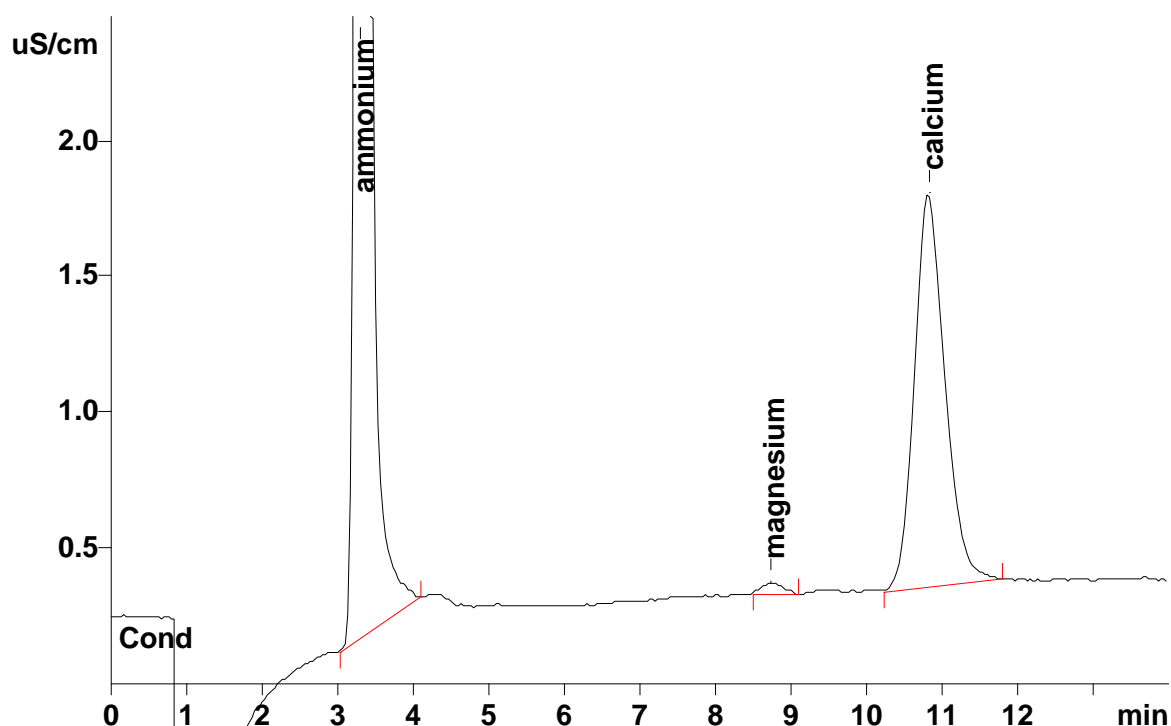
IC Application Note No. C-82

Title: Ammonium, magnesium and calcium in fertilizer

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

Sample: Fertilizer
Sample Preparation: 2.5 g extracted with 6% hydrochloric acid, further diluted to 0.1 g/L with ultrapure water

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:	Ammonium	Magnesium	Calcium
g/kg	176	0.78	56.2
%	17.6	0.078	5.62

See AN S-204 for the determination of anions in fertilizer.