

IC Application Note No. C-59

Title: Sodium, ammonium and potassium in polyethers

Summary: Determination of sodium, ammonium and potassium in polyethers using cation chromatography with direct conductivity detection.

Sample: Polyether

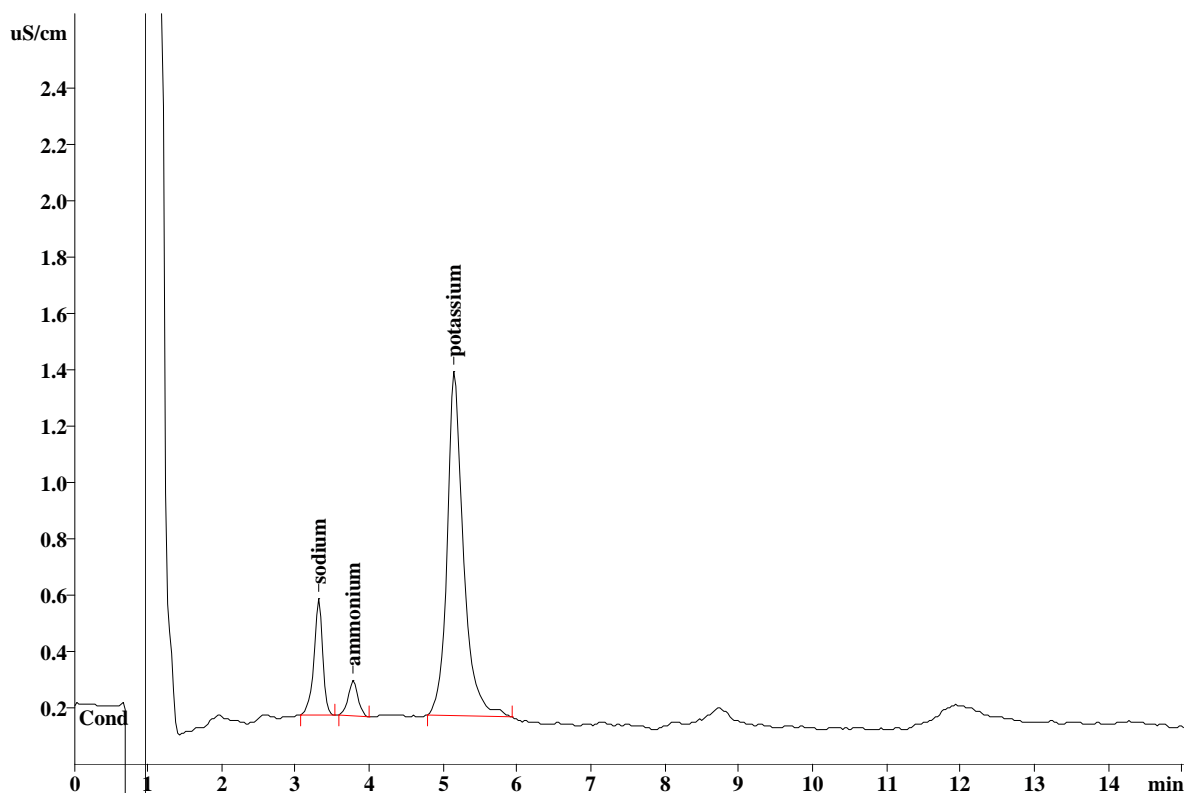
Sample Preparation: Extraction with 2 mmol/L nitric acid, injection through C18 cartridge

Column: 6.1010.210 Metrosep C 2 – 100

Eluent: 4.0 mmol/L tartaric acid, 0.75 mmol/L dipicolinic acid

Flow: 1.0 mL/min

Injection Volume: 20 μ L



Results:	Na ⁺ mg/kg	NH ₄ ⁺ mg/kg	K ⁺ mg/kg
	0.459	0.157	5.06