

IC Application Note No. C-38

Title: Five cations in 4 % boric acid

Summary: Determination of sodium, ammonium, potassium, calcium and magnesium in 4 % boric acid using cation chromatography with direct conductivity detection.

Sample: Boric acid 4 %

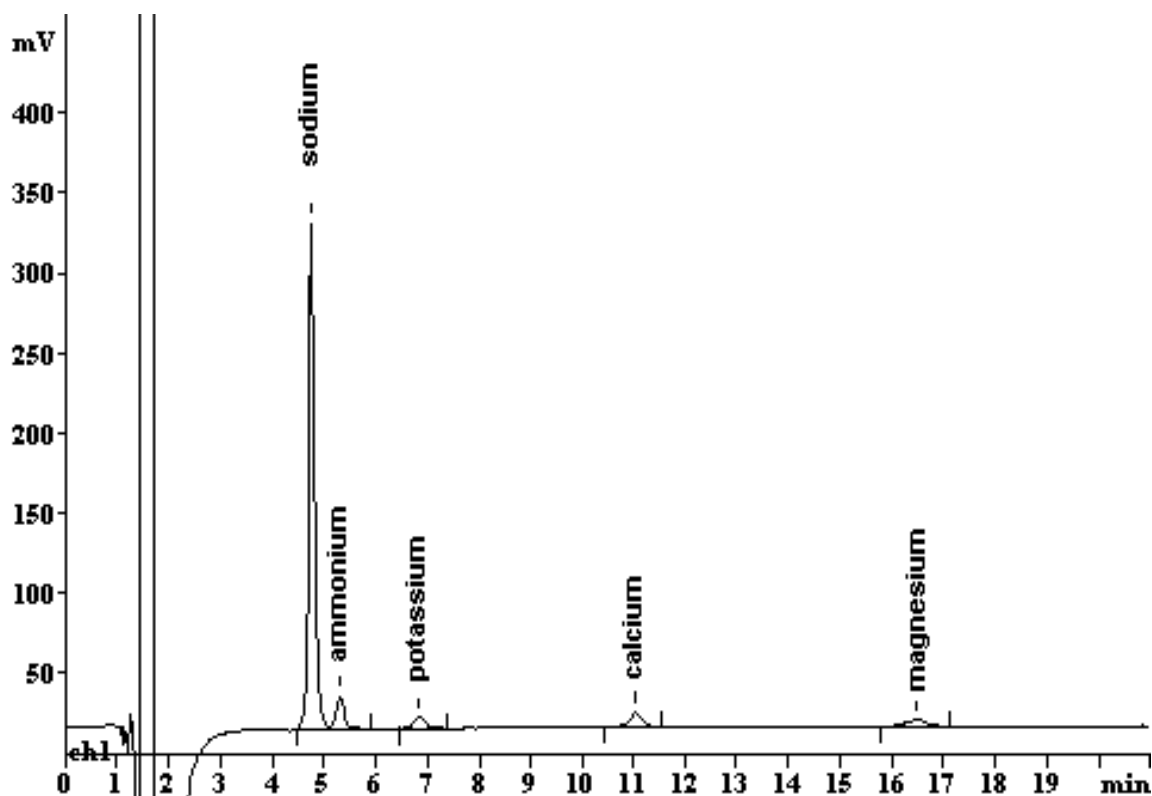
Sample Preparation:

Column: 6.1010.100 Metrosep C 1

Eluent: 4 mmol/L tartaric acid, 1 mmol/L dipicolinic acid

Flow: 1.0 mL/min

Injection Volume: 100 μ L



Results:	Na ⁺ μ g/L	NH ₄ ⁺ μ g/L	K ⁺ μ g/L	Ca ²⁺ μ g/L	Mg ²⁺ μ g/L
	325	26.4	29.7	25.1	8.5