

IC Application Note No. C-55

Title: Determination of lead, zinc, indium, cadmium cobalt, ammonium, potassium, manganese magnesium and calcium

Summary: Determination of lead, zinc, indium, cadmium, cobalt, ammonium, potassium, manganese, magnesium and calcium using cation chromatography with direct conductivity detection.

Sample: Standard solution

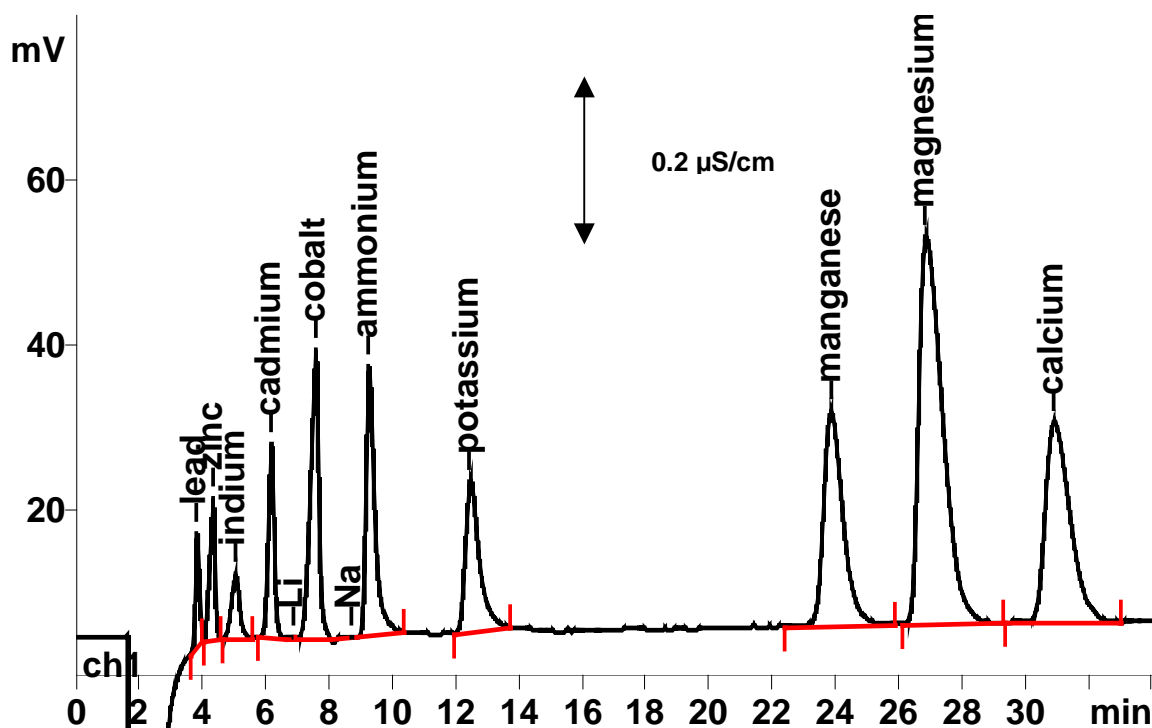
Sample Preparation:

Column: 6.1010.230 Metrosep C 2-250

Eluent: 5.0 mmol/L tartaric acid, 0.09 mmol/L dipicolinic acid,

Flow: 1.0 mL/min

Injection Volume: 10 μ L



Results:	Zn ²⁺ , NH ₄ ⁺ mg/L	Cd ²⁺ , Co ²⁺ , K ⁺ , Mn ²⁺ , Mg ²⁺ , Ca ²⁺ mg/L	Pb ²⁺ , In ²⁺ mg/L
		2.0	5.0

Lithium and sodium are not present in the solution. The retention times of lithium and sodium are marked only.