

IC Application Note No. C-129

Title: Nine cations on the Metrosep C 4 – 150 column

Summary: Determination of lithium, sodium, ammonium, potassium, manganese, calcium, magnesium, strontium and barium using cation chromatography with direct conductivity detection.

Sample: Standard solution

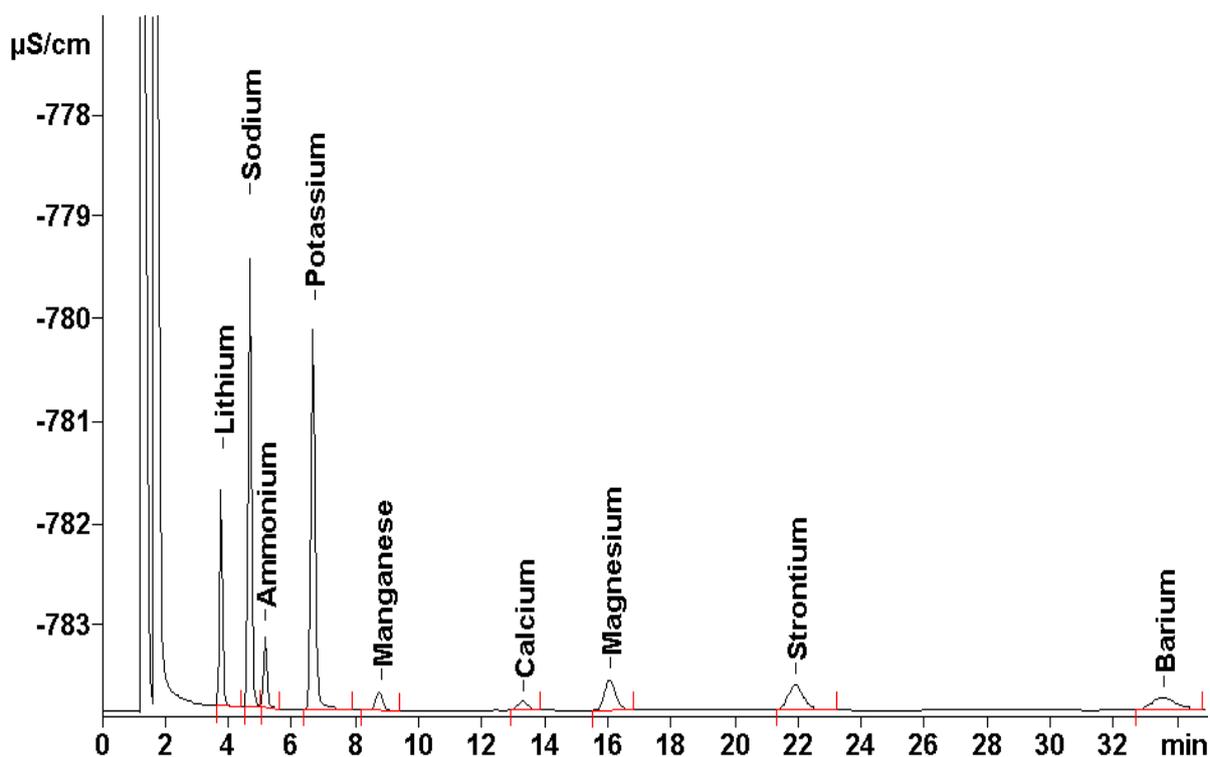
Sample Preparation: –

Column: 6.1050.420 Metrosep C 4 – 150

Eluent: 2.0 mmol/L nitric acid, 0.75 mmol/L dipicolinic acid

Flow: 0.9 mL/min

Injection Volume: 20 μ L



Results:	Li ⁺ mg/L	Na ⁺ mg/L	NH ₄ ⁺ mg/L	K ⁺ mg/L	Mn ²⁺ mg/L	Ca ²⁺ mg/L	Mg ²⁺ mg/L	Sr ²⁺ mg/L	Ba ²⁺ mg/L
	0.25	2.25	0.25	4.50	0.25	0.10	0.25	1.00	1.00