

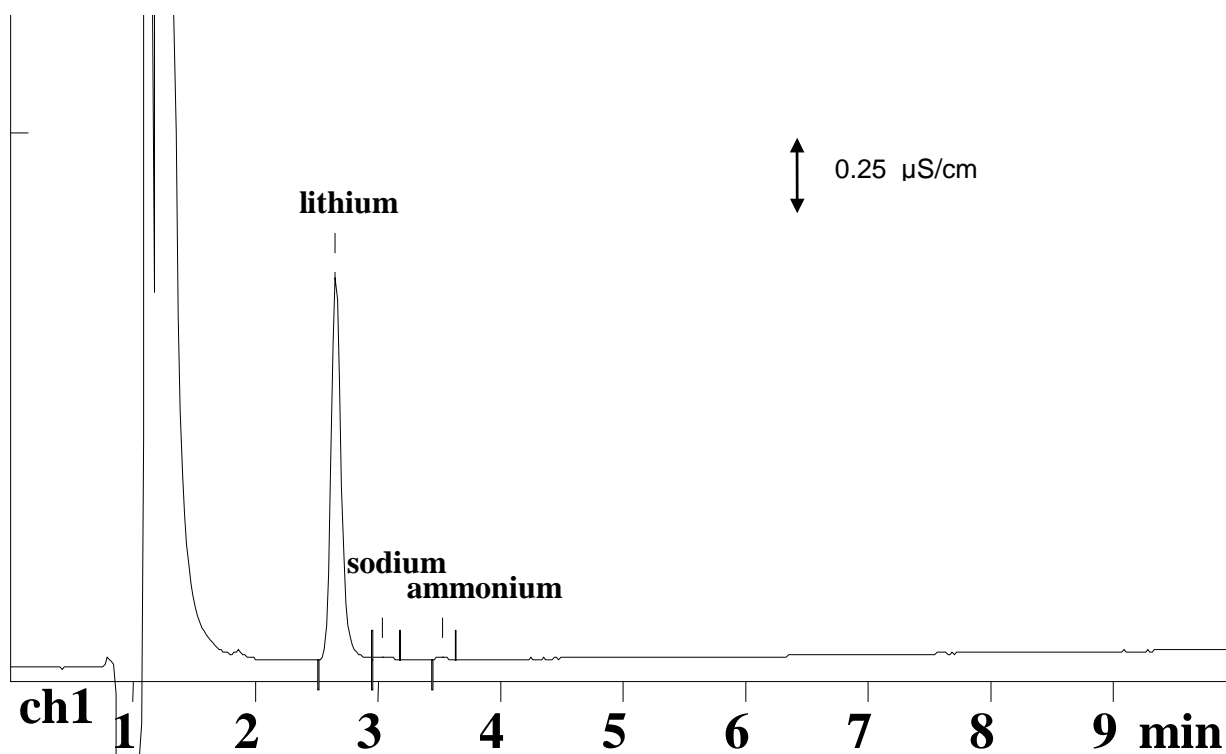
# IC Application Note No. C-37

**Title:** Lithium, sodium and ammonium in lithium hexafluorophosphate

**Summary:** Determination of lithium, sodium and ammonium in lithium hexafluorophosphate using cation chromatography with direct conductivity detection.

**Sample:** Lithium hexafluorophosphate  
**Sample Preparation:** Dilution 1 : 100 in c(HNO<sub>3</sub>) = 1 mmol/L

**Column:** 6.1010.000 Metrosep Cation 1-2  
**Eluent:** 4 mmol/L tartaric acid, 1 mmol/L dipicolinic acid  
**Flow:** 1.0 mL/min  
**Injection Volume:** 10 µL



<b>Results:</b>	Li <sup>+</sup> mg/L	Na <sup>+</sup> mg/L	NH <sub>4</sub> <sup>+</sup> mg/L
	0.648	0.018	0.007