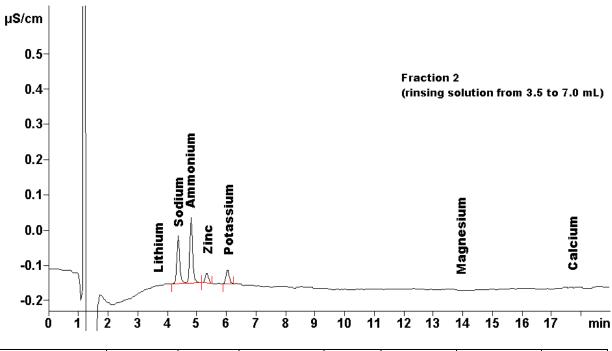
IC Application Note No. C-118

Title:	Impurities in syringe filters – Cations					
Summary:	Determination of lithium, sodium, ammonium, zinc, potassium, magnesium and calcium impurities in syringe filters using cation chromatography with direct conductivity detection.					
Sample:	Syringe filter					
Sample Preparation:	Rinsing the filter three times with 3.5 mL ultrapure water, direct injection					
Column:	6.1050.420 Metrosep C 4 – 150					
Eluent:	2.5 mmol/L oxalic acid					
Flow:	1.0 mL/min					
Injection Volume:	200 µL					



Results:	Lithium µg/L	Sodium µg/L	Ammonium µg/L	Zinc µg/L	Potassium µg/L	Magnesium µg/L	Calcium µg/L
1 st fraction	n.d.	88.4	108	24.6	52.8	8.0	32.0
2 nd fraction	n.d.	7.3	9.1	2.8	5.1	n.d.	n.d.
3 rd fraction	n.d.	1.8	4.6	1.6	2.7	n.d.	n.d.