

IC Application Note No. C-78

Title: Methanolamines besides alkali and alkaline earth metal cations

Summary: Determination of mono-, di- and trimethanolamine (MMA, DMA, TMA respectively), besides lithium, sodium, ammonium, potassium, magnesium, caesium, calcium and strontium using cation chromatography with direct conductivity detection.

Sample: Standard solution

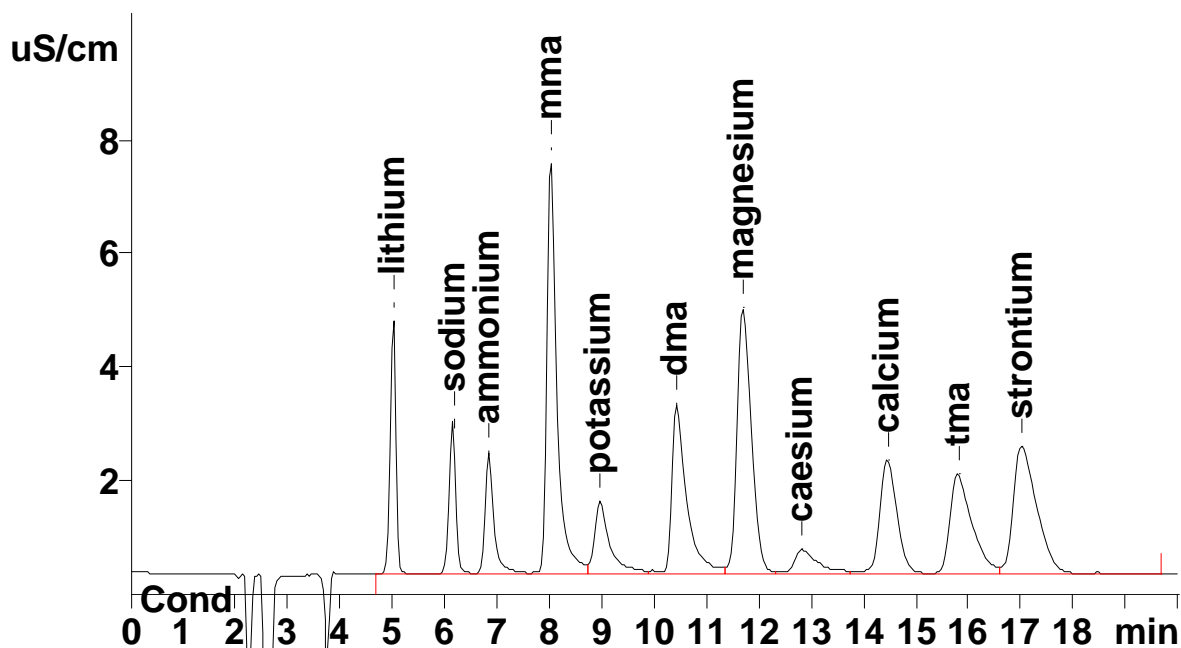
Sample Preparation: –

Column: 6.1010.230 Metrosep C 2 – 250

Eluent: 3.0 mmol/L nitric acid, 2% acetone

Flow: 1.0 mL/min

Injection Volume: 10 μ L



Results:	Lithium mg/L	Sodium mg/L	Ammonium mg/L	MMA mg/L	Potassium mg/L	DMA mg/L
	2	5	5	30	10	30
	Magnesium mg/L	Caesium mg/L	Calcium mg/L	TMA mg/L	Strontium mg/L	
	10	20	10	30	25	