

IC Application Note No. C-40

Title: Calcium and magnesium in rock extracts

Summary: Determination of calcium and magnesium in rock extracts using cation chromatography with direct conductivity detection.

Sample: Acidic rock extracts

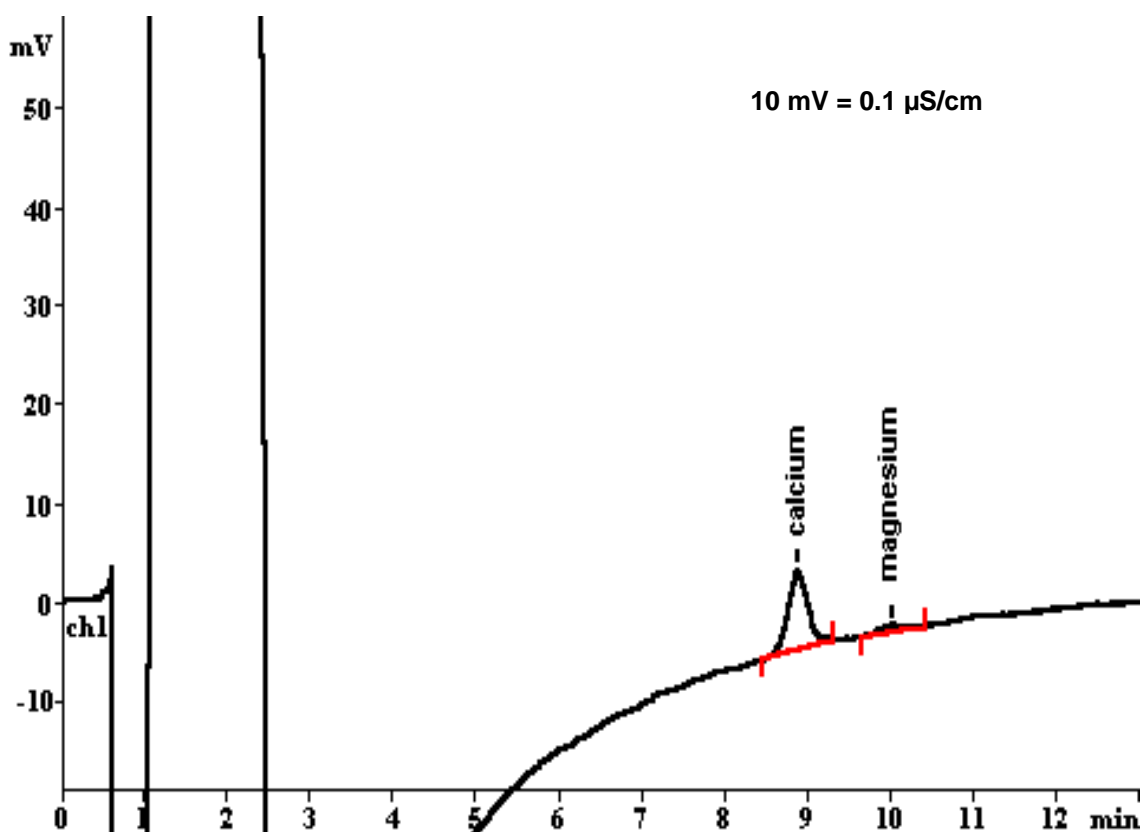
Sample Preparation: Adjustment to pH 2 ... 3 using 2 mol/L NaOH

Column: 6.1007.000 Nucleosil 5SA

Eluent: 4.0 mmol/L tartaric acid, 0.5 mmol/L citric acid, 3.0 mmol/L ethylenediamine

Flow: 1.0 mL/min

Injection Volume: 10 μ L



Results:	Ca ²⁺ mg/L	Mg ²⁺ mg/L
	10.5	0.91