

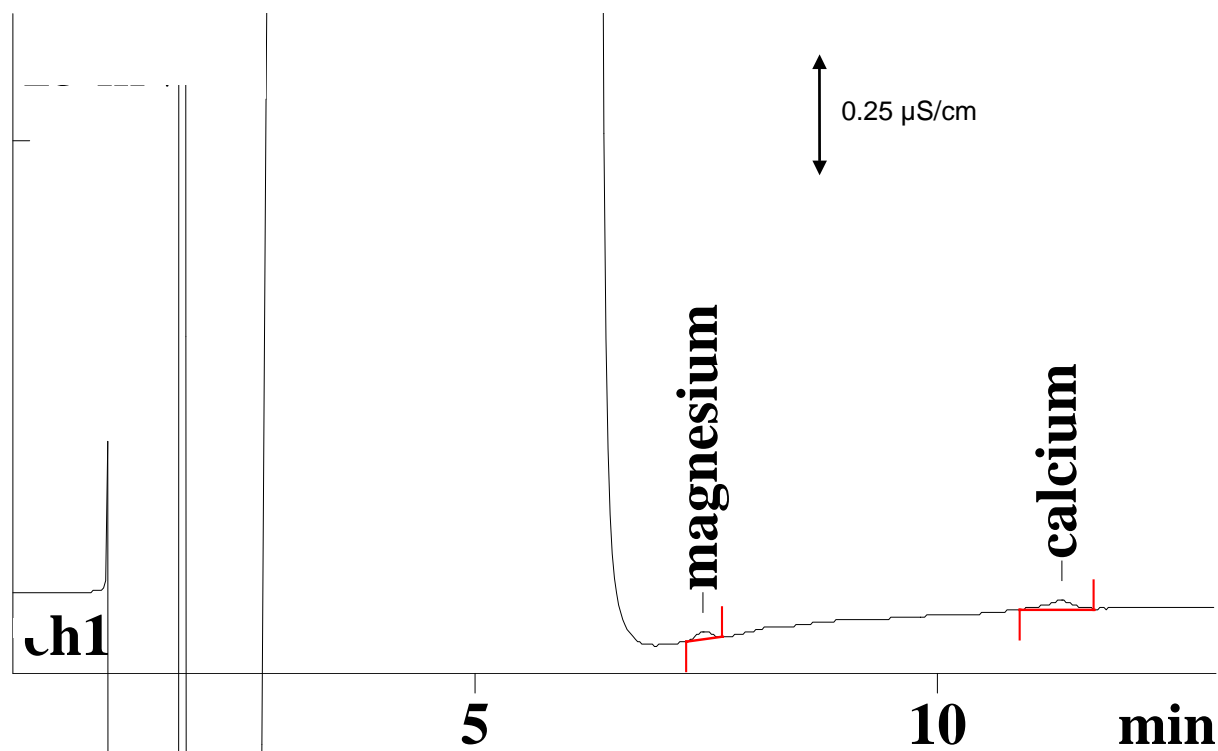
IC Application Note No. C-31

Title:	Calcium and magnesium in high purity sodium chloride
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Summary:	Determination of calcium and magnesium high purity sodium chloride using cation chromatography with direct conductivity detection.
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Sample:	High purity sodium chloride
Sample Preparation:	0.5 g/100 mL of 2 mmol/L HNO ₃ , direct injection

Column:	6.1007.000 IC Cation Column Nucleosil 5SA
Eluent:	3.5 mmol/L oxalic acid, 2.5 mmol/L ethylene diamine 5% acetone
Flow:	1.0 mL/min
Injection Volume:	100 µL



Results:	Mg ²⁺ µg/g	Ca ²⁺ µg/g
	1.2	3.4