

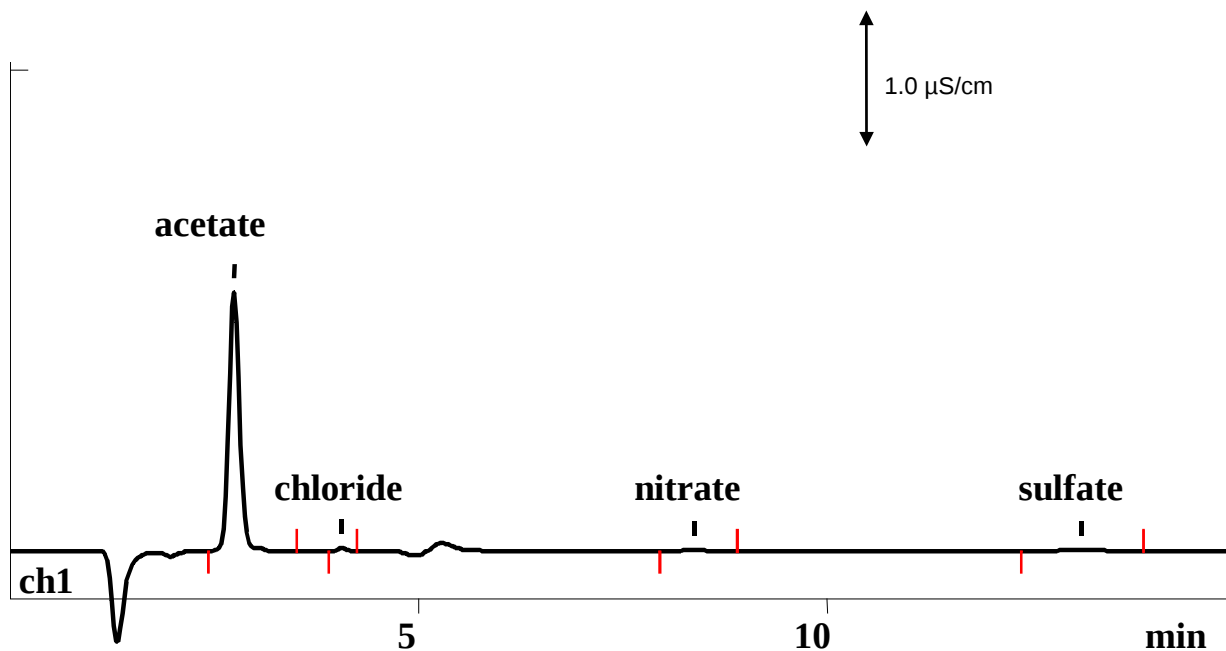
IC Application Note No. S-81

Title: Acetate, chloride, nitrate and sulfate in aluminium oxide

Summary: Determination of acetate, chloride, nitrate and sulfate in aluminium oxide using anion chromatography with conductivity detection after chemical suppression.

Sample: Aluminium oxide
Sample Preparation: Alkaline digestion solution injected over H⁺ cartridge

Column: 6.1006.100 Metrosep Anion Dual 2
Eluent: 2.0 mmol/L sodium hydrogencarbonate, 1.3 mmol/L sodium carbonate
Suppressor: Metrohm Suppressor Module (MSM, 50 mmol/L H₂SO₄)
Flow: 0.8 mL/min
Injection Volume: 20 µL



Results:	Acetate mg/g	Chloride mg/g	Nitrate mg/g	Sulfate mg/g
	73.4	0.16	0.16	0.19