

IC Application Note No. S-122

Title: Fluoride, glycolate, chloride and oxalate in a latex dispersion

Summary: Determination of fluoride, glycolate, chloride and oxalate in a latex dispersion using anion chromatography with conductivity detection after chemical suppression and dialysis as sample preparation.

Sample: Latex dispersion

Sample Preparation: Diluted 1 : 50 in ultrapure water

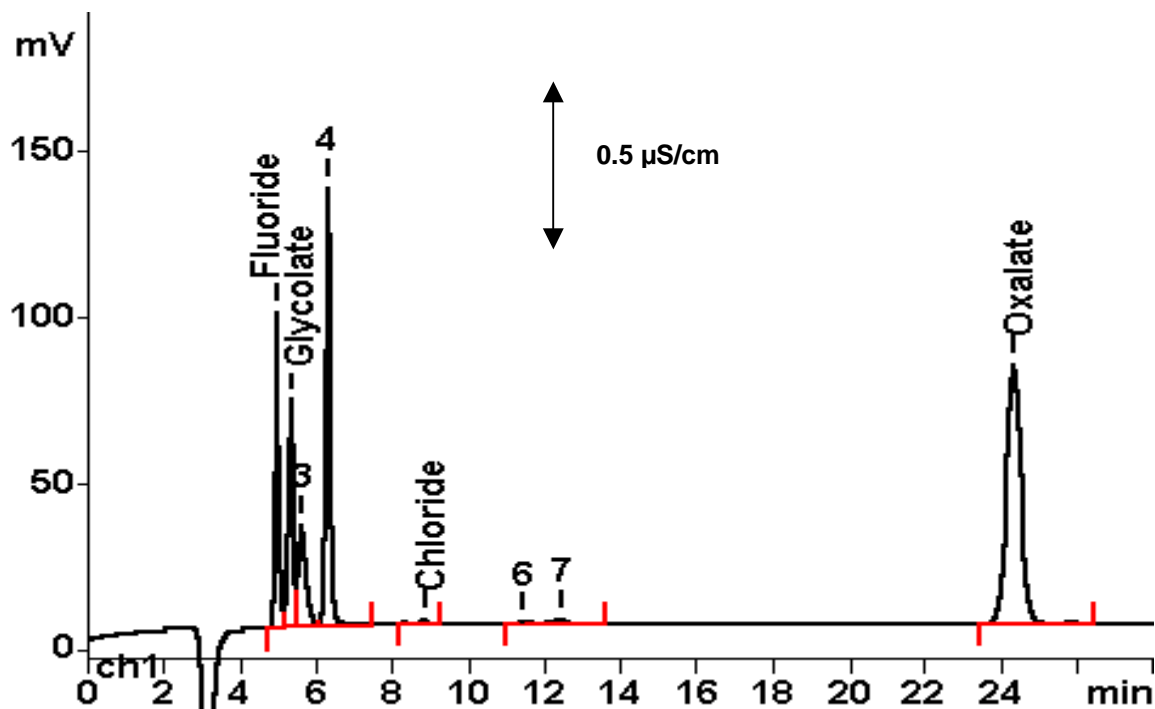
Column: 6.1006.530 Metrosep A SUPP 5-250

Eluent: 1.0 mmol/L sodium hydrogencarbonate,
3.0 mmol/L sodium carbonate

Suppressor: MSM (50 mmol/L H₂SO₄)

Flow: 0.7 mL/min

Injection Volume: 20 µL after dialysis



Results:	Fluoride mg/L	Glycolate mg/L	Chloride mg/L	Oxalate mg/L
	21.9	107.0	2.30	191.0