

IC Application Note No. S-102

Title: Fluoride, sulfate, iodide and molybdate in mineral tablets

Summary: Determination of fluoride, sulfate, iodide and molybdate in mineral tablets using anion chromatography with conductivity detection after chemical suppression.

Sample: Mineral tablets

Sample Preparation: 0.1 g of sample dissolved in 1 L ultrapure water

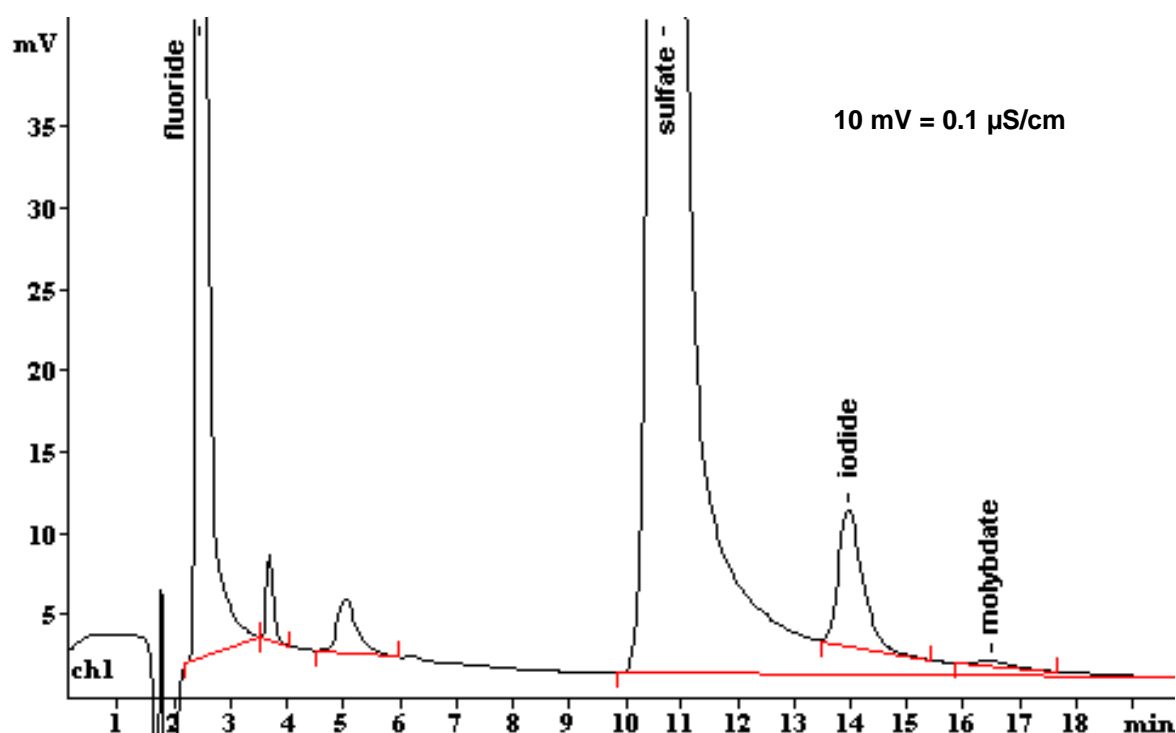
Column: 6.1006.510 Metrosep A Supp 5-100

Eluent: 1.0 mmol/L sodium hydrogencarbonate, 3.2 mmol/L sodium carbonate, 10% acetone

Suppressor: Metrohm Suppressor Module (MSM, 50 mmol/L H₂SO₄)

Flow: 0.7 mL/min

Injection Volume: 20 µL



Results:	Fluoride mg/g	Sulfate mg/g	Iodide mg/g	Molybdate mg/g
	21.5	282	8.91	0.62