

IC Application Note No. S-123

Title: Five anions in a meat extract

Summary: Determination of chloride, nitrite, nitrate, phosphate and sulfate in a meat extract ($\text{Na}_2\text{B}_4\text{O}_7$) after Carrez clearing using anion chromatography with conductivity detection after chemical suppression.

Sample: Meat extract (50 g/L $\text{Na}_2\text{B}_4\text{O}_7$) after Carrez clearing

Sample Preparation: Diluted 1 : 10 in ultrapure water, injected through H^+ cartridge

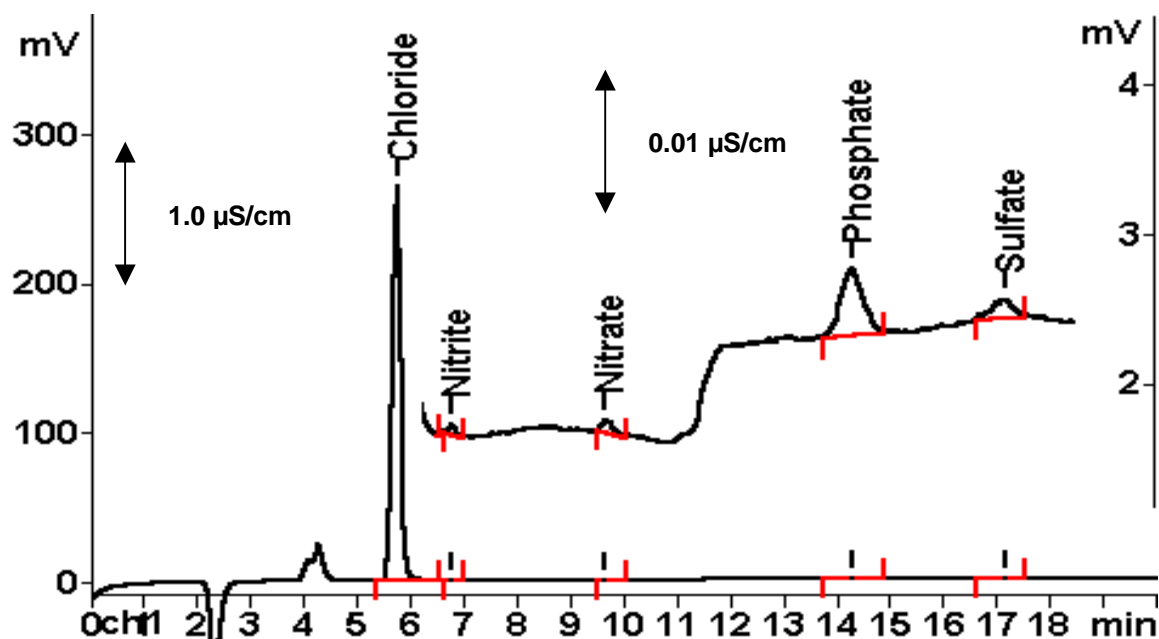
Column: 6.1006.430 Metrosep A SUPP 4-250

Eluent: 4.0 mmol/L sodium hydrogencarbonate,
1.0 mmol/L sodium carbonate

Suppressor: MSM (50 mmol/L H_2SO_4)

Flow: 1.0 mL/min

Injection Volume: 20 μL



Results:	Chloride mg/L	Nitrite mg/L	Nitrate mg/L	Phosphate mg/L	Sulfate mg/L
	1860	0.854	1.635	41.91	3.763