

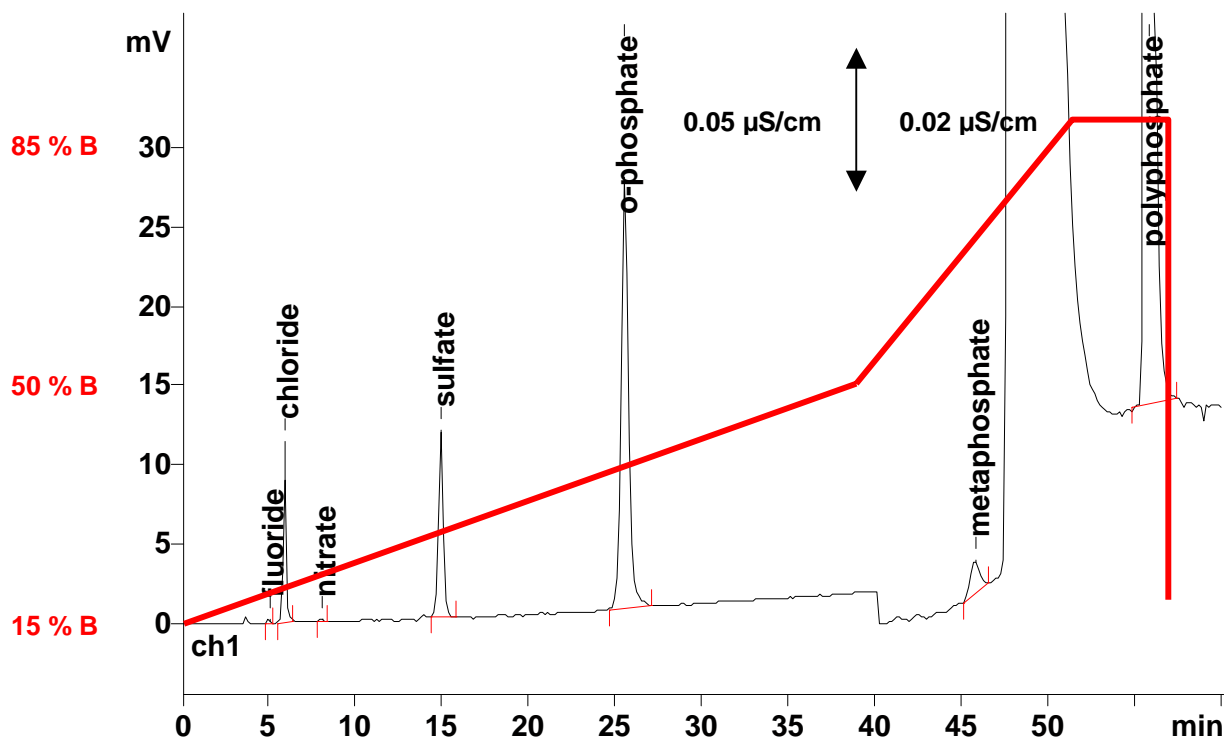
IC Application Note No. S-148

Title: Anions in tetrasodium pyrophosphate

Summary: Determination of fluoride, chloride, nitrate, phosphate, sulfate, trimetaphosphate and tripolyphosphate in tetrasodium pyrophosphate using anion chromatography with a high pressure gradient and conductivity detection after chemical suppression.

Sample: Tetrasodium pyrophosphate ($\text{Na}_4\text{P}_2\text{O}_7$)
Sample Preparation: 200 mg/L $\text{Na}_4\text{P}_2\text{O}_7$ in ultrapure water

Column: 6.1005.320 Metrosep A SUPP 3
Eluent A: Ultrapure water
Eluent B: 50 mmol/L sodium hydroxide
Suppressor: 828 Dual Suppressor
Flow: 1.0 mL/min
Injection Volume: 20 μL



Results:	Fluoride	Chloride	Nitrate	Sulfate	Phosphate	Metaphosphate	Polyphosphate
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	168	369	98	984	4563	230	5685