

IC Application Note No. S-149

Title: Anions in tripolyphosphate

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

Sample: Tripolyphosphate

Sample preparation: 200 mg/L tripolyphosphate in ultrapure water

Column: 6.1005.320 Metrosep A SUPP 3

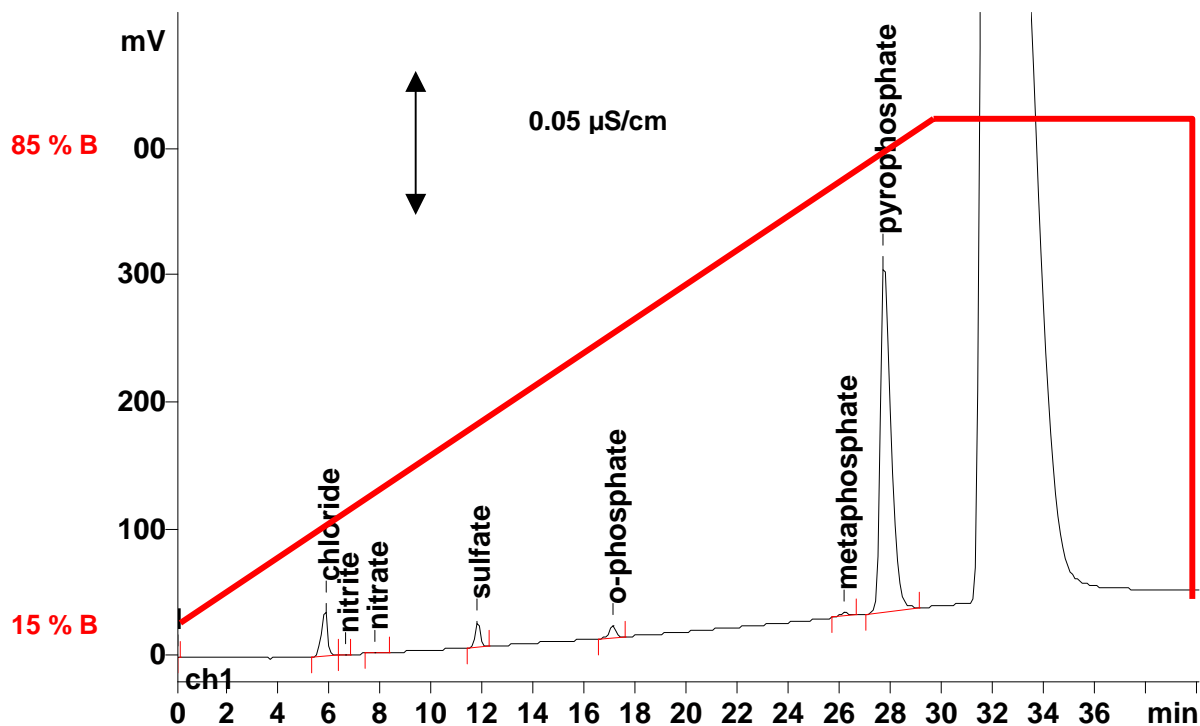
Eluent A: Ultrapure water

Eluent B: 50 mmol/L sodium hydroxide

Suppressor: 828 Dual Suppressor

Flow: 1.0 mL/min

Injection Volume: 20 μ L



Results:	Chloride	Nitrite	Nitrate	Sulfate	Phosphate	Metaphosphate	Pyrophosphate
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	1019	72	147	1034	904	465	38292