

IC Application Note No. S-171

Title: Citrate and polyphosphates in a food additive

Summary: Determination of citrate, dipolyphosphate and tri-polyphosphate in a food additive using anion chromatography with conductivity detection after chemical suppression.

Sample: Additive for cooked sausages

Sample Preparation: 1 g of sample dissolved in 100 mL ultrapure water, further dilution 1:200

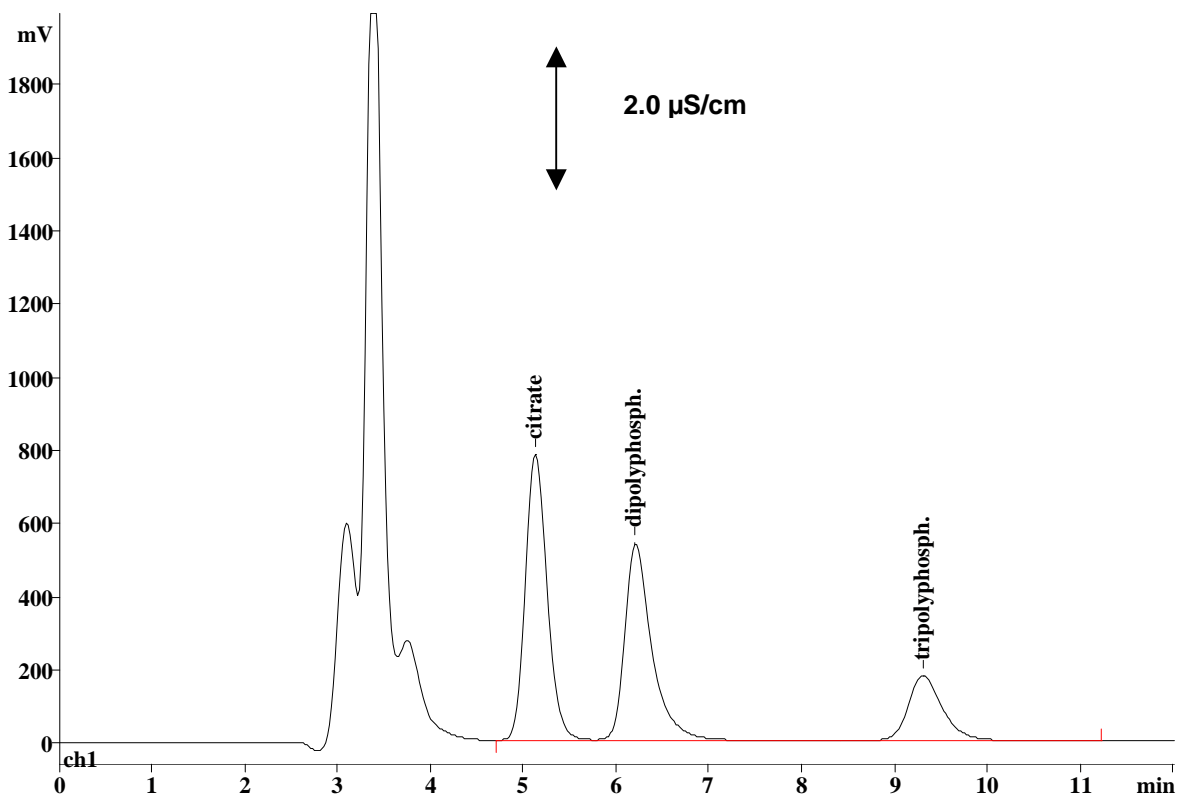
Column: 6.1006.510 Metrosep A SUPP 5 – 100

Eluent: 50 mmol/L sodium hydroxide

Suppressor: Metrohm Dual Suppressor

Flow: 0.7 mL/min

Injection Volume: 20 μ L



Results:	Citrate g/100 g	Dipolyphosphate g/100 g	Tripolyphosphate g/100 g
	19.31	12.63	7.47