

IC Application Note No. S-180

Title: Sulfate, citrate and phosphates in washing powder

Summary: Determination of sulfate, phosphate, citrate, pyrophosphate, tri-metaphosphate and tri-polyphosphate in a washing powder using anion chromatography with conductivity detection after chemical suppression.

Sample: Washing powder

Sample Preparation: 1 g dissolved and subsequently diluted 1 : 5000 ultrapure water

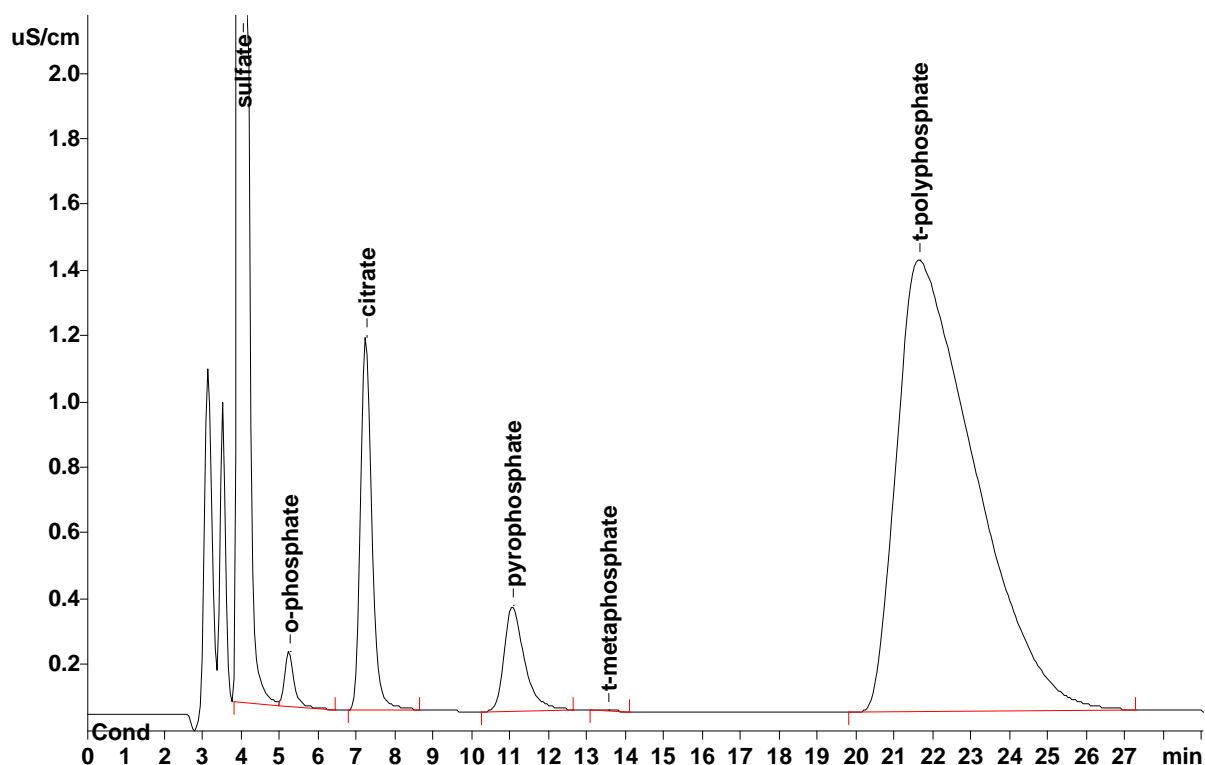
Column: 6.1006.510 Metrosep A Supp 5 – 100

Eluent: 40 mmol/L sodium hydroxide

Suppressor: 828 IC Dual Suppressor

Flow: 0.7 mL/min

Injection Volume: 20 μ L



Results:	Sulfate	Phosphate	Citrate	Pyrophosphate	Metaphosphate	Polyphosphate
	g/kg	g/kg	g/kg	g/kg	g/kg	g/kg
	12.78	0.58	4.43	2.57	n.d.	37.18