

IC Application Note No. S-189

Title: Citrate and isocitrate in fruit juice

Summary: Determination of citrate and isocitrate in orange juice using anion chromatography with conductivity detection after chemical suppression and inline dialysis as sample preparation.

Sample: Fruit juice (orange)

Sample Preparation: Dilution 1 : 10 with ultrapure water prior to inline dialysis

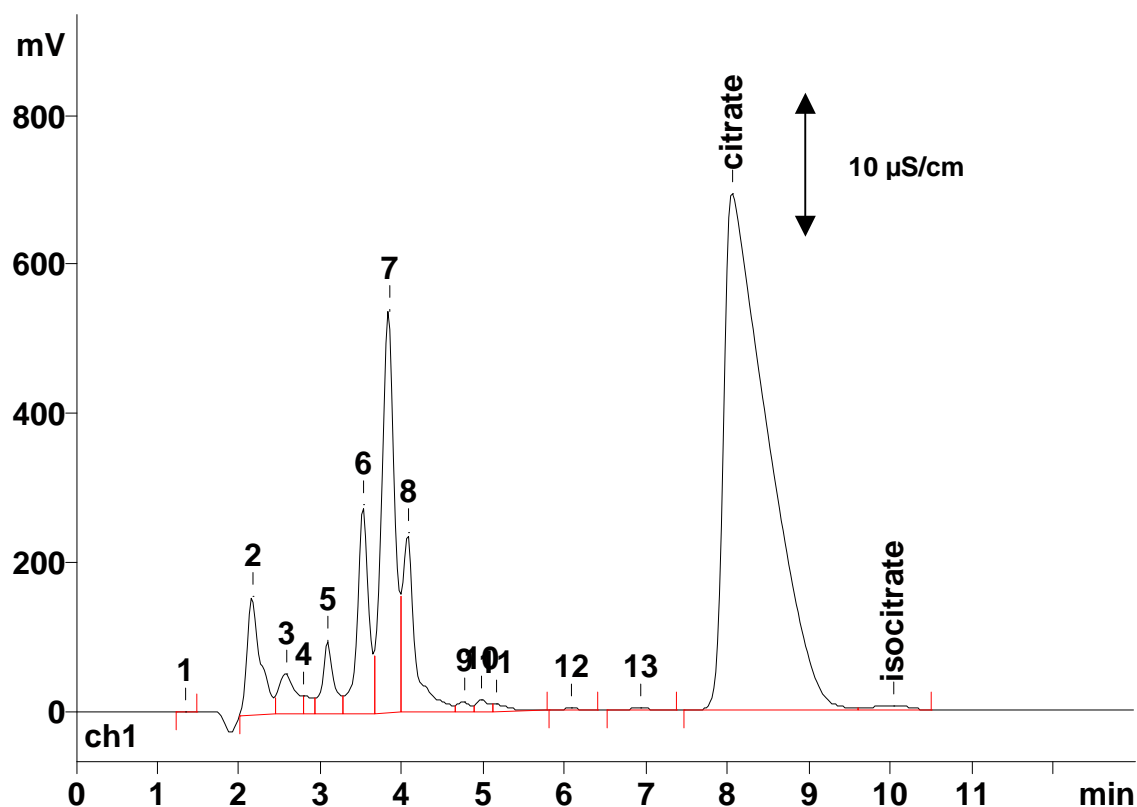
Column: 6.1006.520 Metrosep A Supp 5 – 150

Eluent: 15.0 mmol/L sodium carbonate

Suppressor: Metrohm Suppressor Module (MSM, 50 mmol/L sulfuric acid)

Flow: 0.8 mL/min

Injection Volume: 20 μ L



Results:	Citrate mg/L	Isocitrate mg/L
	7779	113.1

For malate and ascorbate in the same sample see AN O-32.