

IC Application Note No. O-25

Title: Sorbate and benzoate in functional drinks

Summary: Determination of sorbate and benzoate in a functional drink using ion exclusion chromatography with suppressed conductivity detection.

Sample: Functional drink based on mineral water, apple juice and apple vinegar with 4% fructose

Sample Preparation: Direct injection after degassing

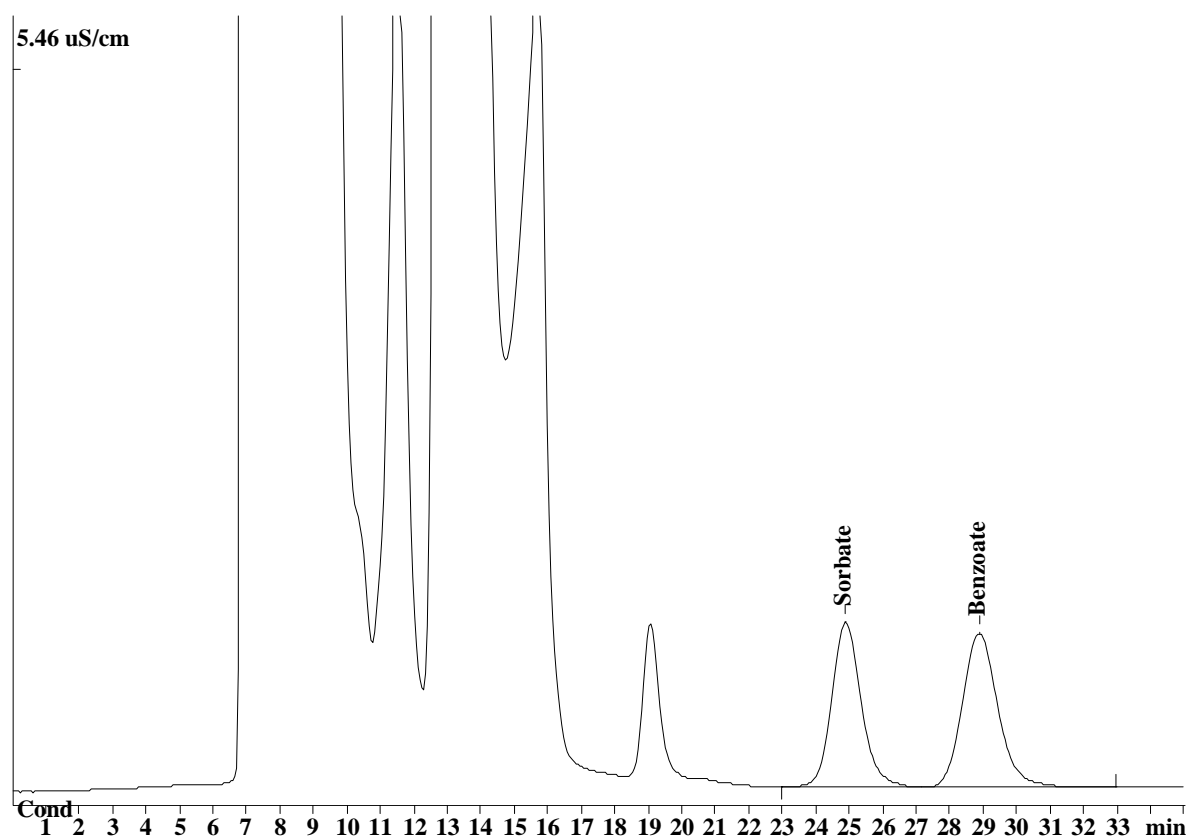
Column: 6.1005.200 Metrosep Organic Acids

Eluent: 0.5 mmol/L sulfuric acid, 20 % acetone

Flow: 0.5 mL/min

Suppressor: MSM (50 mmol/L lithium chloride)

Injection Volume: 100 μ L



Results:	Sorbate mg/L	Benzoate mg/L
	17.7	19.4