

IC Application Note No. P-19

Title: Sucrose, glucose and sucralose in low-calorie sweetener

Summary: Determination of sucrose, glucose and sucralose in a low-calorie sweetener using ion exclusion chromatography with pulsed amperometric detection after post-column addition of sodium hydroxide.

Sample: Low-calorie sweetener

Sample Preparation: 1 g sample is dissolved in 20 mL ultrapure water, direct injection after dilution 1:1000

Column: 6.1005.200 Metrosep Organic Acids

Eluent: 20 mmol/L sulfuric acid

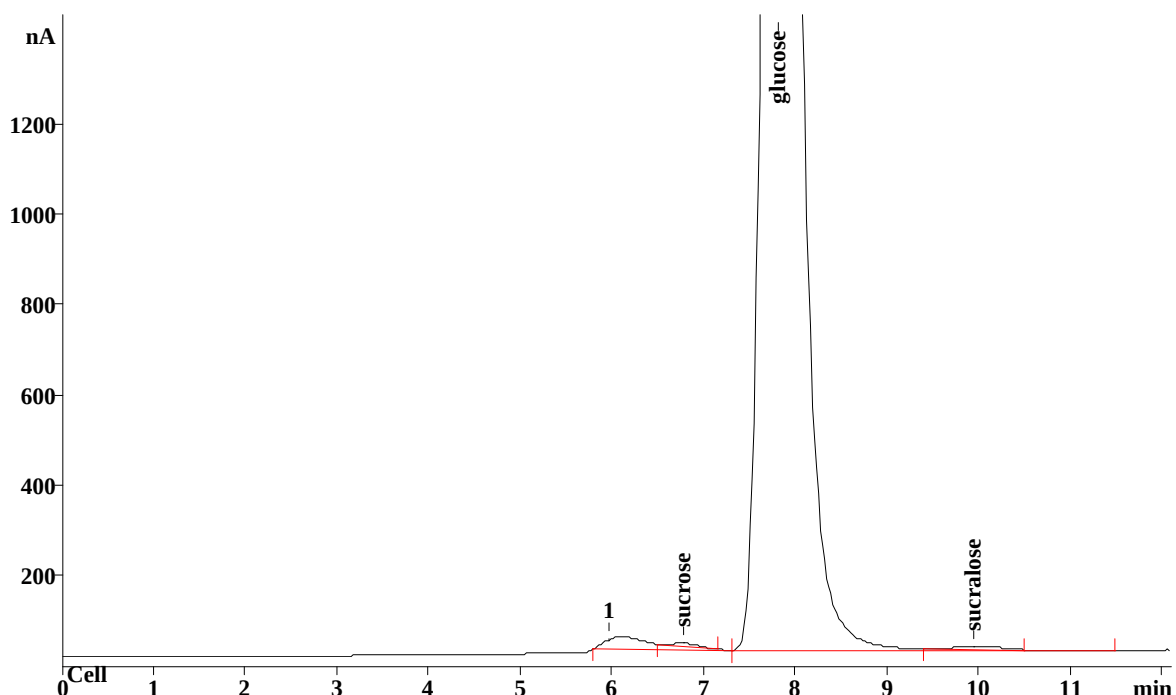
PCA reagent: 300 mmol/L sodium hydroxide (Flow: 0.32 mL/min)

Voltage: 50 mV

Temperature: 34 °C

Flow: 0.6 mL/min

Injection Volume: 20 µL



Results:	Sucrose mg/L	Glucose mg/L	Sucralose mg/L
	1.43	839.1	10.63