

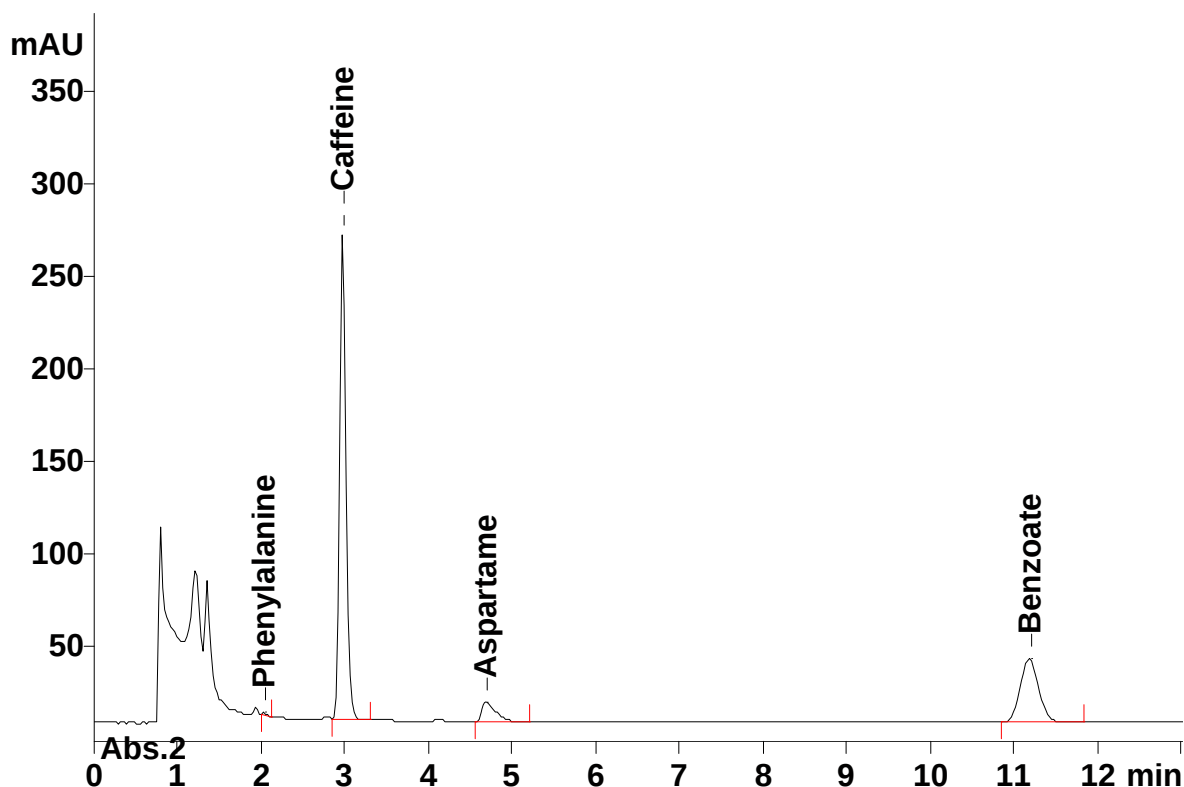
IC Application Note No. U-26

Title:	Phenylalanine, aspartame, caffeine and benzoate in soft drinks
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Summary:	Determination of phenylalanine, aspartame, caffeine and benzoate in a soft drink using RP chromatography with UV detection.
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Sample:	Soft drink
Sample Preparation:	Direct injection

Column:	6.1008.100 Prontosil 120-5-C18 AQ 150
Wavelength:	254 nm
Eluent:	3 mL/L of 2 mol/L sulfuric acid in water / acetonitrile / methanol (60:15:25)
Flow:	1.0 mL/min
Injection Volume:	10 µL



Results:	Phenylalanine mg/L	Aspartame mg/L	Caffeine mg/L	Benzoate mg/L
	2.82	22.46	66.18	27.75