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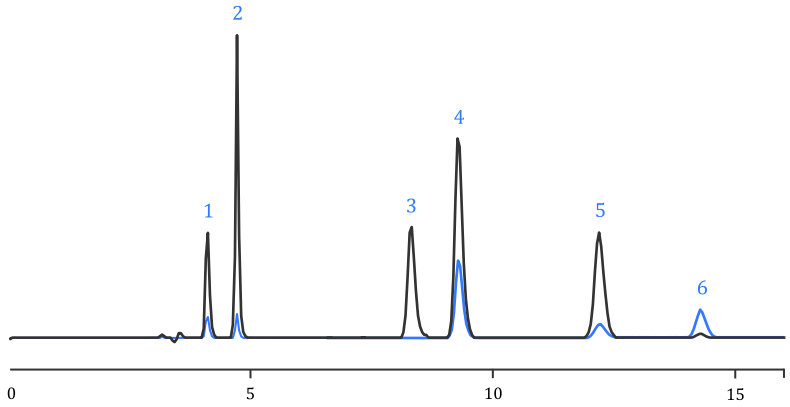
Simultaneous Isocratic Determination of Acesulfame, Succharine, Aspartame, Caffeine, Benzoic and Sorbic Acids In Non-Alcoholic Beverages, Beverage Concentrates & Syrups Using HPLC-UV

The method is intended for the isocratic determination of acesulfame, succharine, aspartame, caffeine, benzoic and sorbic acids in non-alcoholic beverages, beverage concentrates and syrups using simple isocratic 400 bar HPLC system with a conventional UV detector.

The method is capable to determine analytes in the presence of the most of synthetic dyes.

Chromatogram

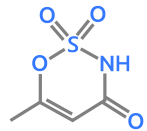
Figure 1. Isocratic determination of five catecholamines and serotonin.
Detection: UV 210 nm, 260 nm



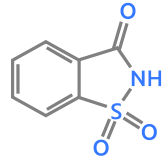
Analytes

1. Acesulfame, **2.** Succharine, **3.** Aspartame, **4.** Caffeine, **5.** Benzoic acid, **6.** Sorbic acid

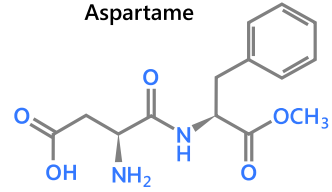
#1
Acesulfame



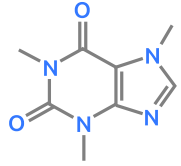
#2
Saccharine



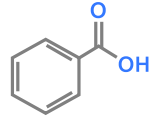
#3
Aspartame



#4
Caffeine



#5
Benzoic acid



#6
Sorbic acid