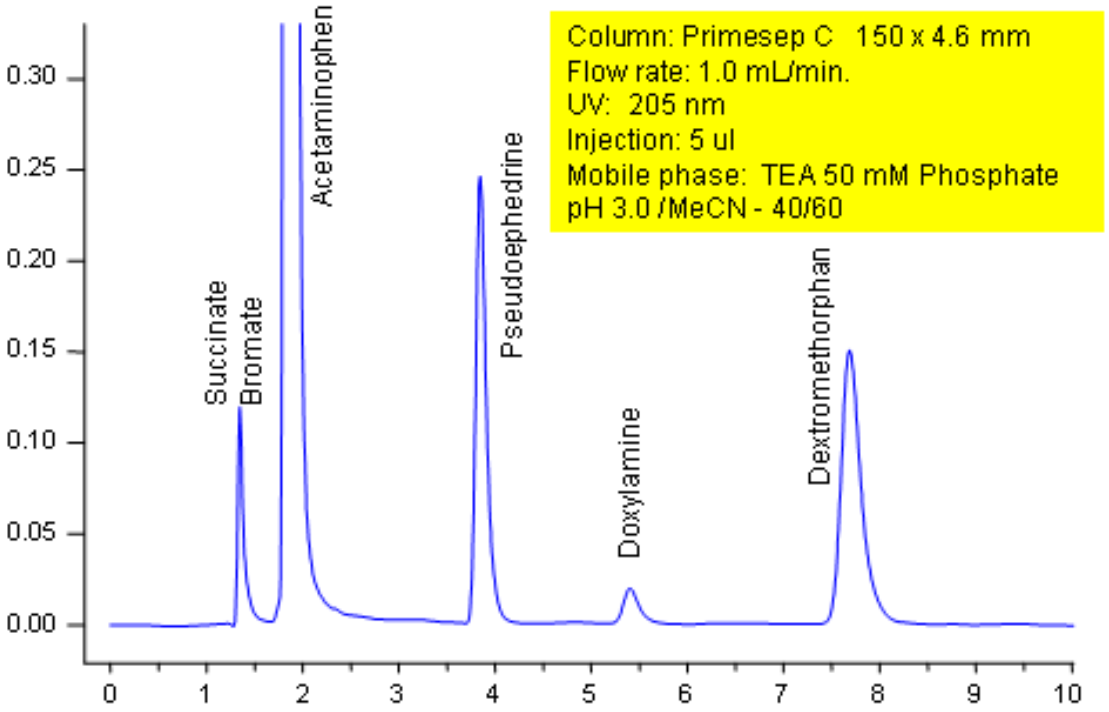
Separation of NyQuil Active Ingredients on Primesep C



Primesep C separates the active ingredients in the over-the-counter cold medicine, NyQuil. Succinate and bromate co-elute early, but acetaminophen, pseudoephedrine, doxylamine, and dextromethorphan are baseline resolved. A combination of cation exchange, complex formation, and hydrophobic interactions separate this mixture with a mobile phase of water, acetonitrile (MeCN, ACN) and triethylamine (TEA) phosphate with UV detection at 205 nm.

Method Parameters

Column	Primesep C, 4.6×150 mm, 5 µm, 100 Å
Mobile Phase	MeCN
Buffer	TEAPh
Flow Rate	1.0 mL/min
Detection	UV, 205 nm

Quelle: https://sielc.com/Application-Separation-of-NyQuil-Active-Ingredients-on-Primesep-C

AugustaChrom - Dr. Roland Kießwetter
Tel.: +49 821 599 783 70
Fax: +49 821 599 783 71
E-Mail: info@hplc-shop.de