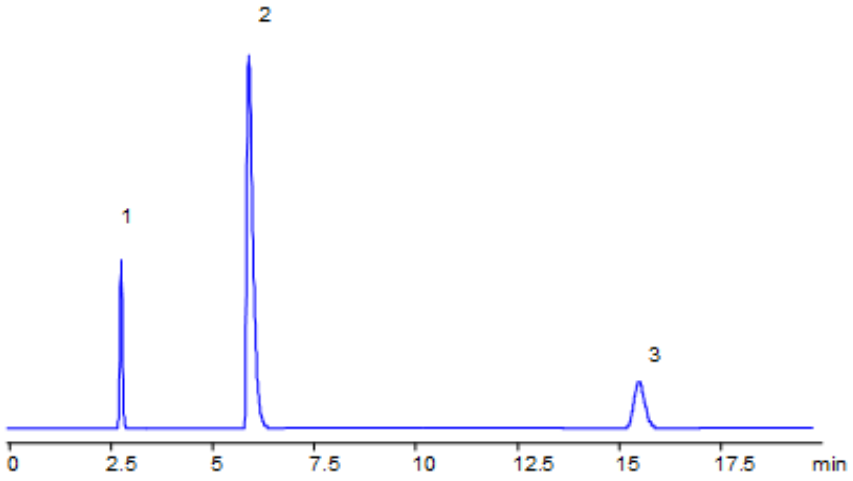
HPLC Separation of Caffeine, Benzoic acid and Acetaminophen

1. Acetaminophen
2. Caffeine
3. Benzoic acid

Column:	Legacy L1
Size:	4.6 x 250 mm
Mobile Phase:	69/28/3 water, MeOH, acetic acid
Flow:	1.5 mL/min
Detection:	275 nm



SIELC's family of Legacy columns is based on the United States Pharmacopeia's (USP) published chromatographic methods and procedures. Numerous brands have columns used in USP reference standards and methods. USP has created various designations to group together columns with similar types of packing and properties in the solid phase. SIELC's Legacy columns adhere to these strict requirements and properties, allowing you to easily replace older columns that are no longer available without needing to significantly modify your method or SOPs.

Method Parameters

Column	Legacy L1, 4.6×250 mm, 5 µm, 100 Å
Mobile Phase	MeOH – 28%
Buffer	Acetic Acid – 3%
Flow Rate	1.5 mL/min
Detection	UV, 275 nm

Quelle: https://sielc.com/Application-HPLC-Separation-of-Caffeine-Benzoic-acid-and-Acetaminophen