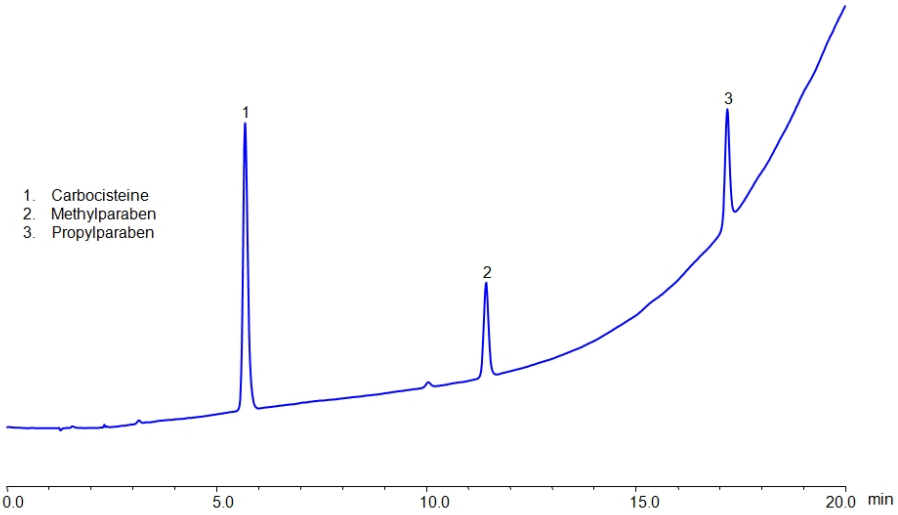
HPLC Separation of Mixture of Carbocisteine, Methylparaben & Propylparaben on Primesep 100 Column



Column:	Primesep 100
Column size:	4.6 × 150 mm, 5 µm
Mobile phase:	Gradient MeCN - 2-50% 20 min
Buffer:	H2SO4 - 0.05%
Flow rate:	1 mL/min
UV detection:	200 nm

High Performance Liquid Chromatography (HPLC) Method for Analysis of Carbocisteine , Methylparaben sodium , Propylparaben sodium , Propylparaben , Methylparaben .

Carbocysteine is a medication that reduces the viscosity of mucus making it easier to cough up. Methylparaben and propylparaben are used as preservatives in cosmetics, pharmaceuticals and food. They can be separated in HPLC on a Primesep 100 mixed-mode column by both hydrophobic and ionic properties present on the stationary phase. The analytical method uses acetonitrile (ACN) gradient and water with sulfuric acid (H2SO4) as buffer and UV detected at 200 nm.

Method Parameters

Column	Primesep 100
Mobile Phase	Gradient MeCN – 2-50%, 20 min
Buffer	H2SO4 – 0.05%
Flow Rate	1.0 mL/min
Detection	UV, 200 nm

Quelle: https://sielc.com/hplc-separation-of-mixture-of-carbocisteine-methylparaben-propylparaben