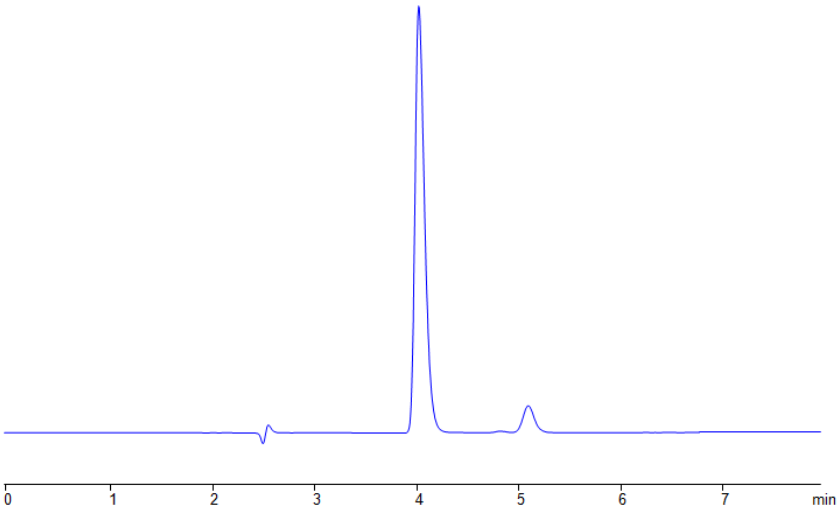
HPLC Determination of Cyclopropanecarboxylic Acid on Primesep B Column



High Performance Liquid Chromatography (HPLC) Method for Analysis of Cyclopropanecarboxylic Acid .

Cyclopropanecarboxylic Acid is an organic compound with the chemical formula C4H6O2 . It is typically used in synthesis of agrochemicals, pharmaceuticals, and other chemical industries. OUtside of synthesis, it is also used in manufacturing of electronics, coating, and adhesives.

Cyclopropanecarboxylic Acid can be retained and analyzed using the Primesep B stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with a sulfuric acid buffer. Detection is performed using UV.

Method Parameters

Column	Primesep B, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H2O – 5/95%
Buffer	H2SO4 – 0.1%
Flow Rate	1.0 mL/min
Detection	UV, 210 nm

Quelle: https://sielc.com/hplc-determination-of-cyclopropanecarboxylic-acid

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