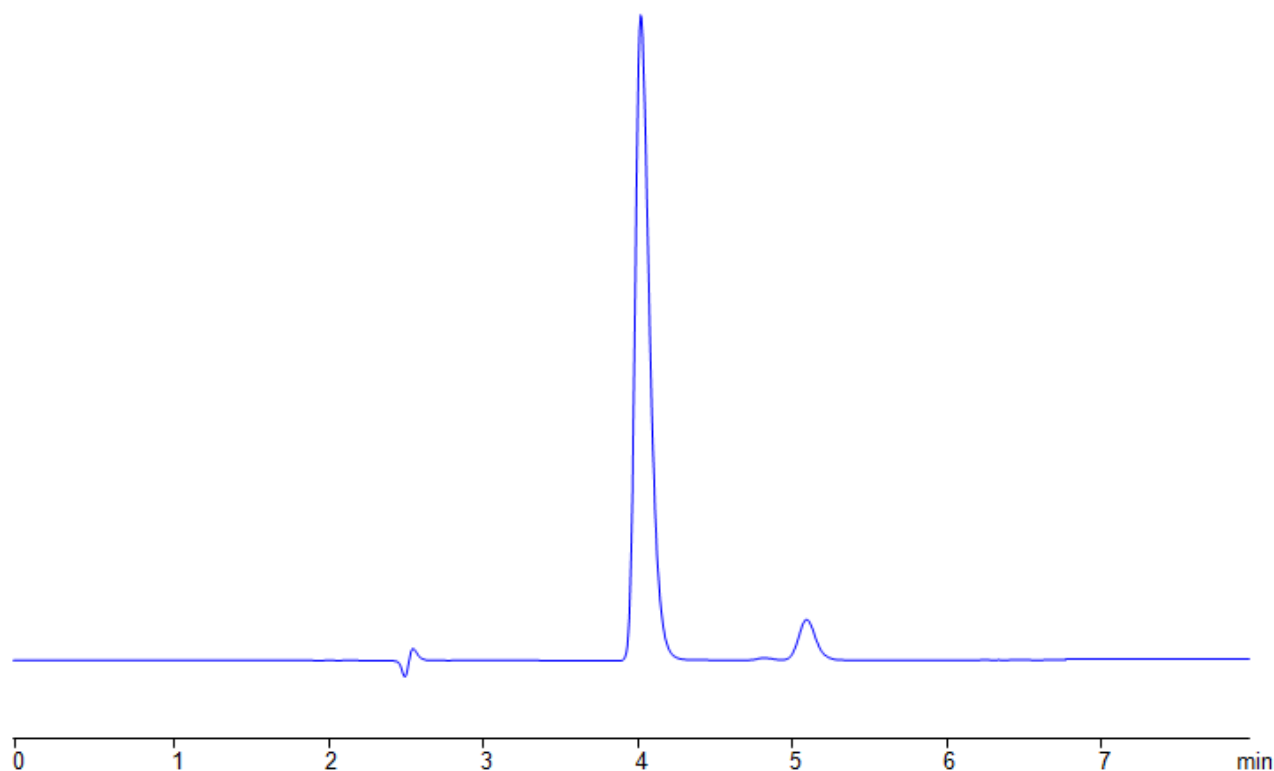


HPLC Determination of Cyclopropanecarboxylic Acid on Primesep B Column

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

Chromatogram



Column:	Primesep B
Size:	4.6 x 150 mm, 5µm
Mobile phase:	5 % MeCN
Buffer:	0.1% H ₂ SO ₄
Flow:	1.0 mL/min
Detection:	UV 210
Injection:	2 µL
Sample:	Cyclopropanecarboxylic Acid in MeCN/H ₂ O 25/75%

Description

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

Cyclopropanecarboxylic Acid is an organic compound with the chemical formula $C_4H_6O_2$. 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

Mobile Phase	MeCN/H ₂ O – 5/95%
Buffer	H ₂ SO ₄ – 0.1%

Flow Rate	1.0 ml/min
Detection	UV, 210 nm
Class of Compounds	Acid, Hydrophilic, Ionizable, Monocarboxylic acid
Analyzing Compounds	Cyclopropanecarboxylic Acid

HPLC Column Used

Primesep B, 4.6 x 150 mm, 5 µm, 100 Å, dual ended

[Order this column at hplc-shop.de →](https://www.hplc-shop.de)