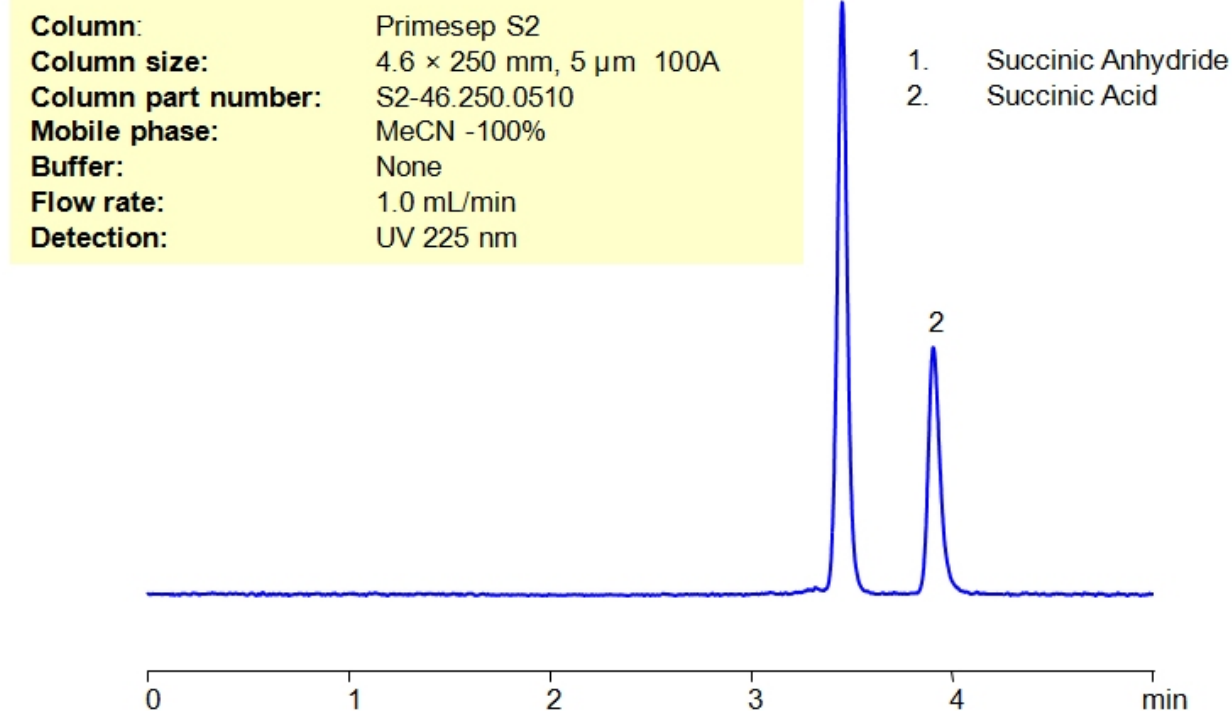


# HPLC Method For Analysis Of Succinic Anhydride and Succinic Acid on Primesep S2 Column

<https://sielc.com/hplc-method-for-analysis-of-succinic-anhydride-and-succinic-acid>

## Chromatogram



## Description

High Performance Liquid Chromatography (HPLC) Method for Analysis of Succinic anhydride , Succinic Acid .

Succinic Acid is a dicarboxylic acid with the chemical formula  $C_4H_6O_4$  . It is a precursor of some polyesters as well as a component of some alkyd resins. In food, it is typically used as an acidity regulator and flavoring agent. Sulfonic acids like 1-Pentanesulfonic acid, 1-Heptanesulfonic acid, 1-Decanesulfonic acid, and 1=Dodecanesulfonic acid are typically used in ion chromatography and for organic syntheses. You can find detailed UV spectra of Succinic anhydride , Succinic Acid and information about its various lambda maxima by visiting the following link.

Succinic anhydride is a colorless, crystalline compound with the chemical formula  $C_4H_4O_3$  . It is used often in the production of polymer resins, especially of the alkyd variety. It has the ability to increase the solubility of various proteins and has other benefits for the pharmaceutical, flavor, and fragrance industries. You can find detailed UV spectra of Succinic anhydride , Succinic Acid and information about its various lambda maxima by visiting the following link.

Succinic anhydride , Succinic Acid can be retained and analyzed using the Primesep S2 stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of acetonitrile (MeCN). Detection is performed using UV.

## Method Parameters

### Mobile Phase

MeCN- 100%

|                            |                                  |
|----------------------------|----------------------------------|
| <b>Buffer</b>              | No                               |
| <b>Flow Rate</b>           | 1.0 ml/min                       |
| <b>Detection</b>           | UV 225 nm                        |
| <b>Class of Compounds</b>  | Anhydride, Acid                  |
| <b>Analyzing Compounds</b> | Succinic anhydride,Succinic Acid |

#### HPLC Column Used

**Primesep S2, 4.6 x 250 mm, 5 µm, 100 Å, dual ended**

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