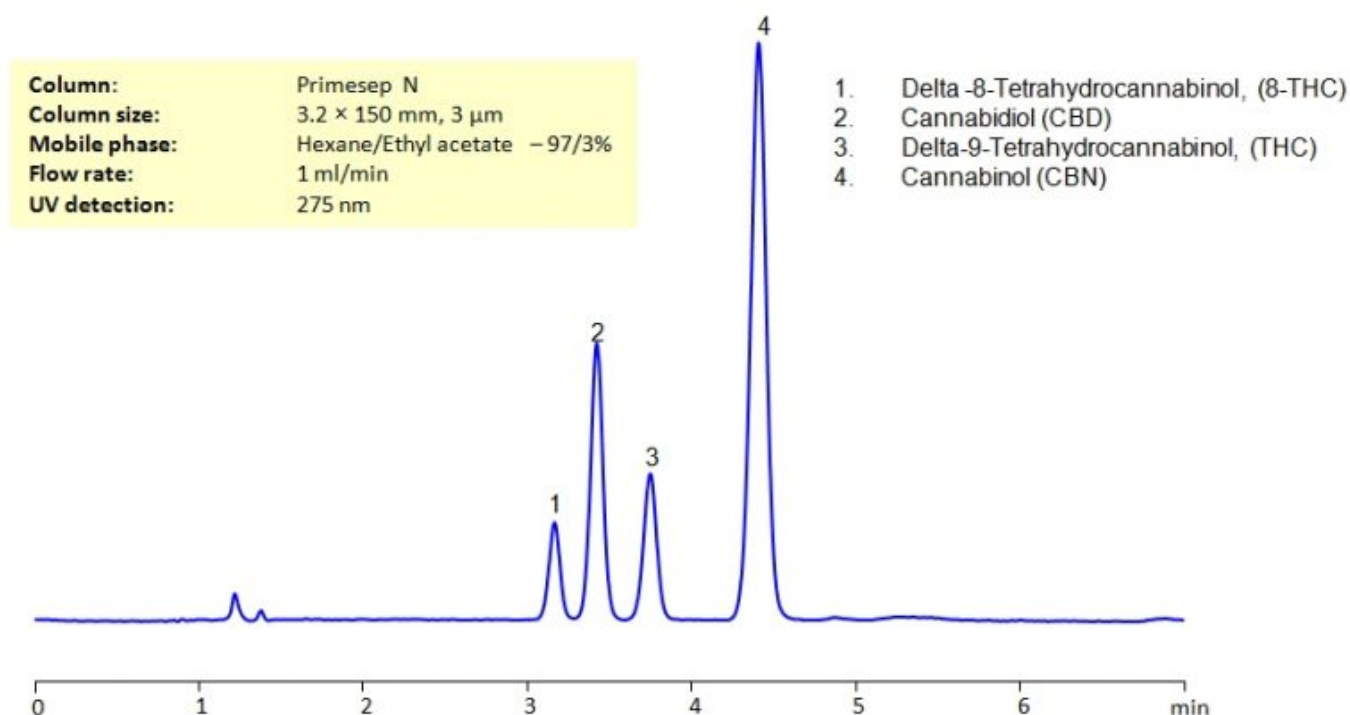


HPLC Determination of Δ^8 -THC, CBD, Δ^9 -THC, and CBN on Primesep N Column

<https://sielc.com/hplc-determination-of-%25ce%25b48-thc-cbd-%25ce%25b49-thc-cbn-on-primesep-n-column>

Chromatogram



Description

High Performance Liquid Chromatography (HPLC) Method for Analysis of Cannabidiol (CBD) , Cannabinol (CBN) , Delta-8-Tetrahydrocannabinol (Δ^8 -THC) , Delta-9-Tetrahydrocannabinol (THC) .

Δ^8 -THC , Δ^9 -THC , CBD and CBN are cannabinoids found in Cannabis plants. They have some medical uses among which is the prevention of nausea and vomiting caused by some cancer medications. THC has psychoactive effects, while CBD does not.

They can be separated using HPLC on a normal-phase Primesep N column using a mobile phase consisting of hexane and ethyl acetate without the need for a buffer with UV detection at 275nm.

Method Parameters

Mobile Phase	Hexane/Ethyl Acetate – 97/3%
Buffer	No
Flow Rate	1.0 ml/min
Detection	UV, 275 nm
Class of Compounds	Drug, Hydrophilic, Ionizable, Supplements
Analyzing Compounds	Cannabidiol (CBD),Cannabinol (CBN),Delta-8-Tetrahydrocannabinol (Δ^8 -THC),Delta-9-Tetrahydrocannabinol (THC)

HPLC Column Used

Primesep N, 4.6 x 150 mm, 3 µm, 100 Å, dual ended

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