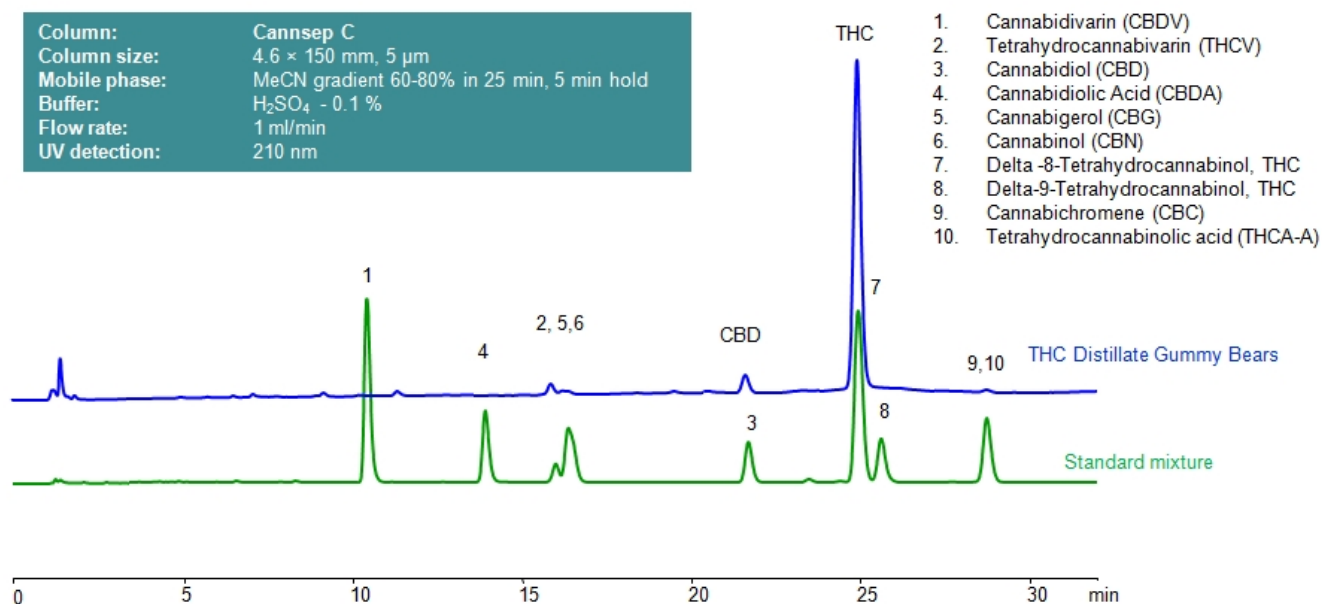


HPLC Determination of THC in THC Infused Gummy Bear on Cannsep C Column

<https://sielc.com/hplc-determination-of-thc-in-gummy-bear-on-cannsep-c-column>

Chromatogram



Description

High Performance Liquid Chromatography (HPLC) Method for Analysis of Delta-9-Tetrahydrocannabinol (THC), Tetrahydrocannabinol (THC), Cannabidiol (CBD), Cannabidivarin (CBDV), Tetrahydrocannabivarin (THCV), Cannabidiolic acid (CBDA), Cannabigerol (CBG), Cannabinol (CBN), Delta-8-Tetrahydrocannabinol (8-THC), Cannabichromene (CBC), Tetrahydrocannabinolic acid (THCA-A).

Cannabidivarin (CBDV) is a non-intoxicating psychoactive cannabinoid with the chemical formula C₁₉H₂₆O₂. Due to its demonstrating anticonvulsive properties, it is actively in Phase-2 trials for adult epilepsy, childhood epilepsy, and for Prader-Willi Syndrome.

Tetrahydrocannabivarin (THCV, THV) is a cannabinoid receptor type 1 antagonist with the chemical formula C₁₉H₂₆O₂. It is prevalent in certain strains of Cannabis in central Asia and southern Africa. It is currently being researched as a potential treatment for obesity-associated glucose intolerances. It is also said to reduce appetite and have energizing effects.

Cannabidiol (CBD) is a phytocannabinoid with the chemical formula C₂₁H₃₀O₂. It is used in a variety of ways. Its only confirmed medical use is as epilepsy medication. It may help with pain, sleep, and addiction as an alternative to opioids, but due to limited clinical evidence, its regulations are dependent on the state. It is advised against using it during pregnancy due to unknown effects on fetal and infant development.

Cannabidiolic Acid (CBDA) is a precursor to Cannabidiol with the chemical formula C₂₂H₃₀O₄. Research suggests that it might have anti-inflammatory, anti-emetic, anti-convulsant, and anti-carcinogenic properties, but not enough research has been done into it for it to be used as widely as other cannabinoids and the like.

Cannabigerol (CBG) is a non-psychoactive cannabinoid with the chemical formula C₂₁H₃₂O₂. It is a minor constituent of cannabis. CBG that is derived from marijuana is illegal, while CBG derived from hemp is legal as long as the THC content of hemp is less than 0.3% of dry weight. It was sold illegally by certain companies under unproven claims of being treatment against the COVID-19 virus and inflammation.

