

Simultaneous Isocratic Determination of Eight Cannabinoids Using HPLC-UV

The method is intended for the isocratic determination of eight cannabinoids in hemp extracts and hemp oil using simple isocratic 400 bar HPLC system with a conventional UV detector..

The distinguishing features of the method are:

- more habitual RP elution order of CBDA & THCA (#1 & #2);
- high tolerance of chromatographic system to overloading by CBDA & THCA;
- excellent separation of THC8 & THC9 unachievable with the use of any other custom-made or compendial method.

Chromatogram

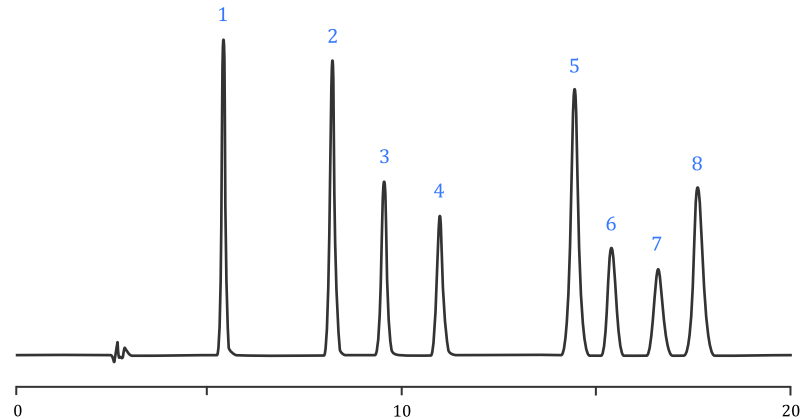


Figure 1. Isocratic determination of eight cannabinoids.
Detection: UV 225 nm

Analytes

1. CBDA, 2. THCA, 3. CBN, 4. CBC, 5. CBD, 6. THC8, 7. THC9, 8. CBG

