

CBG Hemp Flower Sample on Raptor ARC-18 2.7 µm by HPLC-UV

Peaks	tr (min)
1. Cannabidiolic acid (CBDA)	2.433
2. Cannabigerolic acid (CBGA)	2.566
3. Cannabigerol (CBG)	2.726

Column Raptor ARC-18 (cat.# 9314A65)
Dimensions: 150 mm x 4.6 mm ID
Particle Size: 2.7 µm
Pore Size: 90 Å
Guard Column: Raptor ARC-18 EXP guard column cartridge 5 mm, 4.6 mm ID, 2.7 µm (cat.# 9314A0250)
Temp.: 30 °C

Standard/Sample
Diluent: 25:75 Water:acetonitrile
Inj. Vol.: 5 µL

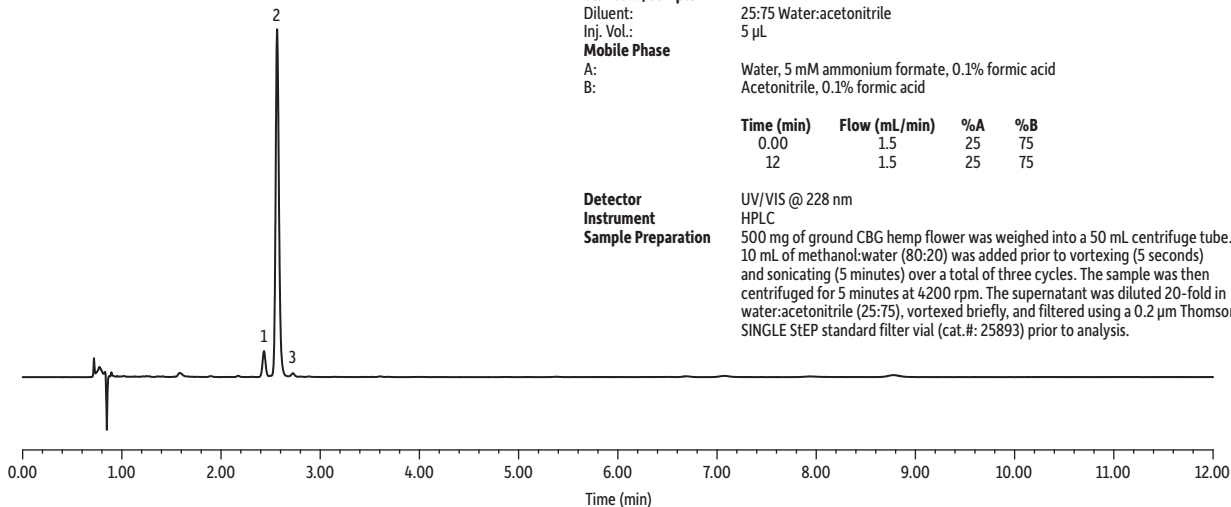
Mobile Phase
A: Water, 5 mM ammonium formate, 0.1% formic acid
B: Acetonitrile, 0.1% formic acid

Time (min)	Flow (mL/min)	%A	%B
0.00	1.5	25	75
12	1.5	25	75

Detector UV/VIS @ 228 nm

Instrument HPLC

Sample Preparation 500 mg of ground CBG hemp flower was weighed into a 50 mL centrifuge tube. 10 mL of methanol:water (80:20) was added prior to vortexing (5 seconds) and sonicating (5 minutes) over a total of three cycles. The sample was then centrifuged for 5 minutes at 4200 rpm. The supernatant was diluted 20-fold in water:acetonitrile (25:75), vortexed briefly, and filtered using a 0.2 µm Thomson SINGLE STEP standard filter vial (cat.#: 25893) prior to analysis.



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