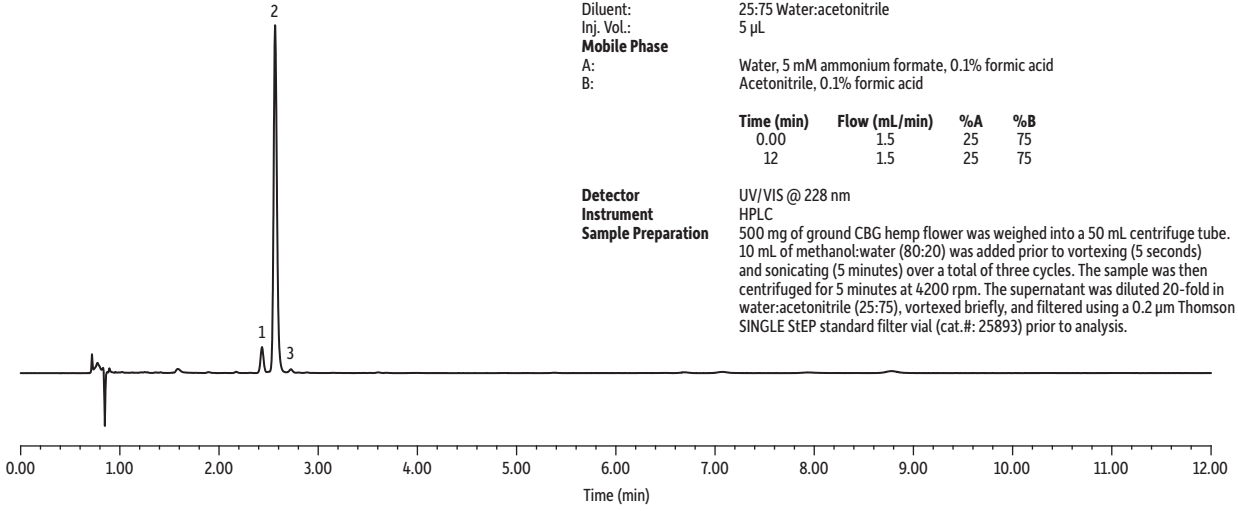
CBG Hemp Flower Sample on Raptor ARC-18 2.7 µm by HPLC-UV

Peaks	t_R (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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