

CBD Isolate on Raptor ARC-18 (2.7 μ m) by HPLC-UV

Peaks	tr (min)
1. Cannabidiol (CBD)	3.063

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

Sample
Diluent: 25:75 Water:acetonitrile
Conc.: Endogenous concentration
Inj. Vol.: 5 μ L

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
5	1.5	25	75

Detector UV/Vis @ 228 nm

Sample Preparation 0.5 gram of CBD isolate was weighed into a 50 mL centrifuge tube. 25 mL of IPA was added prior to vortexing (30 seconds) and sonicating (15 minutes). 0.5 mL of sample was aliquoted to a 4 mL vial and diluted 8-fold with 25:75 water:acetonitrile and vortexed briefly. 100 μ L of sample was aliquoted to an autosampler vial, diluted 10-fold in 25:75 water:acetonitrile, and vortexed briefly prior to analysis.

