

# CBD Shatter on Raptor ARC-18 (2.7 µm) 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 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

**Sample**  
Diluent: 25:75 Water:acetonitrile  
Conc.: Endogenous concentration  
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
5	1.5	25	75

**Detector** UV/Vis @ 228 nm

**Sample Preparation** 0.5 gram of CBD shatter 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 µL of sample was aliquoted to an autosampler vial, diluted 10-fold in 25:75 water:acetonitrile, and vortexed briefly prior to analysis.

