



Certificate of Analysis (COA)

Name of Client:

Sample Name:

Date of Analysis:

Batch Number:

Results

	wt %	mg/g
CBDA		
CBG		
CBD		
CBN		
d9-THC		
THCA		

CBD and THC Equivalents

	wt %	mg/g
CBD Equivalents		
THC Equivalents		

Tincture Volume (mL):

Total CBD Amount (mg):

Details of Testing

High performance liquid chromatography (HPLC) was used to determine concentrations of CBD, CBG, CBDA, CBN, d9-THC, and THCA. Any result reported back at 0.0% is below our lower limit of detection. Our lower limit of detection is 0.005%. Total CBD amount is calculated assuming that oil density is 0.95 g/mL.

CBD and THC Equivalents Explained

CBD Equivalents = $0.877 \times \text{CBDA} + \text{CBD}$

THC Equivalents = $0.877 \times \text{THCA} + \text{d9-THC}$

Upon heating CBDA and THCA transform into CBD and d9-THC, respectively. This process is called decarboxylation because a carboxyl group is lost in the process. It is standard to calculate the actual weight percent/concentration of both CBD and THC as the weight percent/concentration assuming all of the CBDA and THCA are decarboxylated.

Lab Personnel Signature: