



## Certificate of Analysis (COA)

Name of Client: **Elevated Hemp Solutions**  
Sample Name: **HPH Pet Tincture 500 mg**  
Date of Analysis: **28-Mar-19**  
Batch Number: **280319-1**

### Results

	wt %	mg/g
CBDA	0.0%	0
CBG	0.0%	0
CBD	0.9%	9
CBN	0.0%	0
d9-THC	0.1%	1
THCA	0.0%	0

### CBD and THC Equivalents

	wt %	mg/g
CBD Equivalents	0.9%	9
THC Equivalents	0.1%	1

Tincture Volume (mL): **60**

Total CBD Amount (mg): **502**

### 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.