

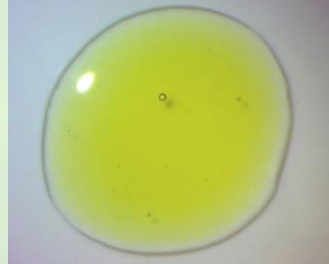
Certificate ID: **94252** Received: **4/28/21**
 Client Sample ID: **Bulk Vet Tincture Oil**
 Lot Number: **441**
 Matrix: **Pet Tinctures - For Cats and Dogs**

Scan QR Code for authenticity



ElleVetTM
 The Heart & Science of Better Pet Health

Authorization: Chris Hudalla, Chief Science Officer	Signature: <i>Christopher Hudalla</i>	Date: 5/12/2021
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The data contained within this report was collected in accordance with the requirements of ISO/IEC17025:2017. I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

CN: Cannabinoid Profile & Potency [WI-10-17 & WI-10-17-01] Analyst: AC Test Date: 5/9/2021

The client sample was analyzed for plant-based cannabinoids by Liquid Chromatography (LC). The collected data was compared to data collected for certified reference standards at known concentrations.

94252-CN

ID	Weight %	Concentration (mg/mL)			
D9-THC	0.289	2.64			
THCV	ND	ND			
CBD	3.42	31.2			
CBDV	ND	ND			
CBG	0.0687	0.627			
CBC	0.166	1.51			
CBN	ND	ND			
THCA	0.119	1.08			
CBDA	3.03	27.6			
CBGA	0.0901	0.822			
D8-THC	ND	ND			
exo-THC	ND	ND			
Total	7.18	65.5	0%	Cannabinoids (wt%)	3.4%
Max THC	0.393	3.59		Limit of Quantitation (LOQ) =	0.0115 wt%
Max CBD	6.08	55.4		Limit of Detection (LOD) =	0.0038 wt%

Ratio of Total CBD to THC 15.5:1

Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation: Max THC = (0.877 x THCA) + THC. This calculation does not include other cannabinoid isomers (eg. D8-THC and exo-THC). ND = None detected above the limits of detection (LOD), which is one third of LOQ.

TP: Terpenes Profile [WI-10-27]

Analyst: LC

Test Date: 5/7/2021

Client sample analysis was performed using full evaporative technique (FET) headspace sample delivery and gas chromatographic (GC) compound separation. A combination of flame ionization detection (FID) and/or mass spectrometric (MS) detection with mass spectral confirmation against the National Institute of Standards and Technology (NIST) Mass Spectral Database, Revision 2017 were used. Chromatographic and/or mass spectral data were processed by quantitatively comparing the analytical peak areas against calibration curves prepared from certified reference standards.

94252-TP

Compound	CAS	Conc. (wt%)	Conc. (ppm)	Qualitative Profile
alpha-pinene	80-56-8	0.160	1,600	
camphene	79-92-5	0.0033	33.0	
sabinene*	3387-41-5	ND	ND	
beta-myrcene	123-35-3	0.374	3,740	
beta-pinene	127-91-3	0.0599	599	
alpha-phellandrene	99-83-2	ND	ND	
delta-3-carene	13466-78-9	<RL	<RL	
alpha-terpinene	99-86-5	0.0006	6.28	
alpha-ocimene	502-99-8	<RL	<RL	
D-limonene	138-86-3	0.0368	368	
p-cymene	99-87-6	ND	ND	
cis-beta-ocimene	3338-55-4	ND	ND	
eucalyptol	470-82-6	0.0074	74.1	
gamma-terpinene	99-85-4	0.0011	11.4	
terpinolene	586-62-9	0.0008	7.75	
linalool	78-70-6	0.0320	320	
L-fenchone*	7787-20-4	0.0011	11.3	
isopulegol	89-79-2	ND	ND	
menthol*	89-78-1	<RL	<RL	
geraniol	106-24-1	ND	ND	
beta-caryophyllene	87-44-5	0.0630	630	
alpha-humulene	6753-98-6	0.0128	128	
cis-nerolidol	3790-78-1	ND	ND	
trans-nerolidol	40716-66-3	ND	ND	
guaial	489-86-1	0.0140	140	
caryophyllene oxide	1139-30-6	0.0017	17.2	
alpha-bisabolol	23089-26-1	0.0151	151	

Total Terpene: 0.8 wt%

* Certified reference standard not available for this compound. Concentration is estimated using the response factor from alpha-pinene. ND = None Detected. RL = Reporting Limit of 5 ppm.

END OF REPORT