

Certificate ID: **89041**

Received: **10/26/20**

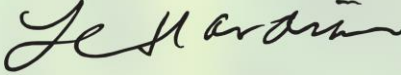
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Client Sample ID: **Complete Oil**

Lot Number: **315**

Matrix: **Pet Tinctures - For Dogs and Cats**

Authorization: Lisa Harding, Lab Manager	Signature: 	Date: 11/3/2020
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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: 10/28/2020

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.

**89041-CN**

ID	Weight %	Concentration (mg/mL)	
D9-THC	0.151	1.39	
THCV	ND	ND	
CBD	3.15	29.1	
CBDV	<LOQ	<LOQ	
CBG	0.0686	0.635	
CBC	0.127	1.18	
CBN	ND	ND	
THCA	0.113	1.04	
CBDA	3.40	31.4	
CBGA	0.0952	0.881	
CBCA	0.213	1.97	
D8-THC	ND	ND	
exo-THC	ND	ND	
Total	7.32	67.7	0% Cannabinoids (wt%) 3.4%
Max THC	0.250	2.31	
Max CBD	6.12	56.6	

**Ratio of Total CBD to THC 24.5:1**

Limit of Quantitation (LOQ) = 0.0114 wt%

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-10-08]**

Analyst: AC

Test Date: 10/27/2020

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.

**89041-TP**

Compound	CAS	Conc. (wt%)	Conc. (ppm)	Qualitative Profile
alpha-pinene	80-56-8	0.105	1,050	
camphene	79-92-5	0.0031	31.4	
myrcene	123-36-3	0.159	1,590	
beta-pinene	127-91-3	0.0293	293	
3-carene	13466-78-9	ND	ND	
alpha-terpinene	99-86-5	<RL	<RL	
Ocimene-1	-	<RL	<RL	
limonene	138-86-3	0.0195	195	
p-cymene	99-87-6	ND	ND	
Ocimene-2	-	ND	ND	
eucalyptol	470-82-6	0.0062	61.6	
gamma-terpinene	99-85-4	0.0013	12.8	
terpinolene	586-62-9	0.0010	9.64	
linalool	78-70-6	0.0168	168	
isopulegol	89-79-2	ND	ND	
beta-caryophyllene	87-44-5	0.0331	331	
humulene	6753-98-6	0.0105	105	

Total Terpene: 0.4 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**