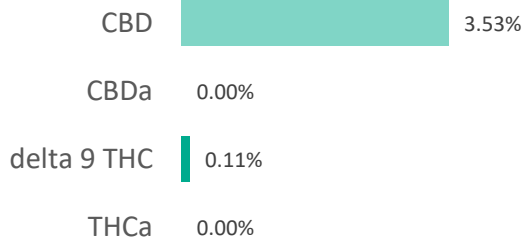
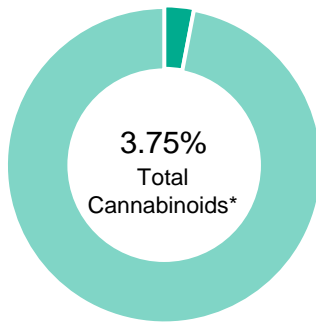


**121020-VetCS-Canine 500mg-C0504**

<b>Batch ID:</b>	103337	<b>Test ID:</b>	T000114846
<b>Type:</b>	Concentrate	<b>Submitted:</b>	12/11/2020 @ 01:29 PM
<b>Test:</b>	Potency	<b>Started:</b>	12/14/2020
<b>Method:</b>	TM14	<b>Reported:</b>	12/15/2020

## CANNABINOID PROFILE



Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.04	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.05	0.11	1.1
Cannabidiolic acid (CBDA)	0.05	ND	ND
Cannabidiol (CBD)	0.05	3.53	35.3
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.05	ND	ND
Cannabinolic Acid (CBNA)	0.03	ND	ND
Cannabinol (CBN)	0.01	0.03	0.3
Cannabigerolic acid (CBGA)	0.04	ND	ND
Cannabigerol (CBG)	0.01	0.06	0.6
Tetrahydrocannabivarinic Acid (THCVA)	0.04	ND	ND
Tetrahydrocannabivarin (THCV)	0.01	ND	ND
Cannabidivarinic Acid (CBDVA)	0.02	ND	ND
Cannabidivarin (CBDV)	0.01	0.02	0.2
Cannabichromenic Acid (CBCA)	0.02	ND	ND
Cannabichromene (CBC)	0.02	ND	ND
<b>Total Cannabinoids</b>		<b>3.75</b>	<b>37.5</b>
<b>Total Potential THC**</b>		<b>0.11</b>	<b>1.1</b>
<b>Total Potential CBD**</b>		<b>3.53</b>	<b>35.3</b>

### NOTES:

N/A

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)  
 \* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.  
 \*\* Total Potential THC/CBD is calculated using the following formulas  
 to take into account the loss of a carboxyl group during  
 decarboxylation step.  
 Total THC = THC + (THCa \* (0.877)) and  
 Total CBD = CBD + (CBDa \* (0.877))  
 ND = None Detected (Defined by Dynamic Range of the method)

## FINAL APPROVAL

	Sam Smith 15-Dec-2020 3:12 PM		Ben Minton 15-Dec-2020 3:25 PM
PREPARED BY / DATE		APPROVED BY / DATE	

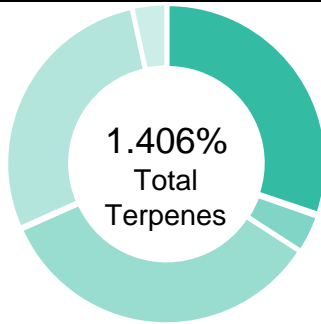
Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02



Certificate #4329.02

**VetCS 33mg/ml Hemp Extract**

<b>Batch ID:</b>	103337	<b>Test ID:</b>	T000122048
<b>Type:</b>	Concentrate	<b>Submitted:</b>	02/01/2021 @ 12:49 PM
<b>Test:</b>	Terpenes	<b>Started:</b>	2/2/2021
<b>Method:</b>	TM22	<b>Reported:</b>	2/4/2021



**TERPENE PROFILE**

**PREDOMINANT TERPENES**

alpha-Pinene	0.000%
(-)-beta-Pinene	0.000%
beta-Myrcene	0.424%
delta-3-Carene	0.000%
alpha-Terpinene	0.003%
d-Limonene	0.053%
Linalool	0.481%
beta-Caryophyllene	0.397%
alpha-Humulene	0.048%
(-)-alpha-Bisabolol	0.000%

Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.000	0
Camphene	0.000	0
delta-3-Carene	0.000	0
beta-Caryophyllene	0.397	3.97
(-)-Caryophyllene Oxide	0.000	0
p-Cymene	0.000	0
Eucalyptol	0.000	0
Geraniol	0.000	0
alpha-Humulene	0.048	0.48
(-)-Isopulegol	0.000	0
d-Limonene	0.053	0.53
Linalool	0.481	4.81
beta-Myrcene	0.424	4.24
cis-Nerolidol	0.000	0
trans-Nerolidol	0.000	0
Ocimene	0.000	0
beta-Ocimene	0.000	0
alpha-Pinene	0.000	0
(-)-beta-Pinene	0.000	0
alpha-Terpinene	0.003	0.03
gamma-Terpinene	0.000	0
Terpinolene	0.000	0
<b>Total</b>	<b>1.406%</b>	<b>14.06</b>

 NOTES:  
 0

**FINAL APPROVAL**

 Michele Gagnon 4-Feb-2021 2:35 PM	 Greg Zimpfer 4-Feb-2021 3:11 PM
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PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

## VetCS 33mg/ml Hemp Extract

Batch ID:	103337	Test ID:	T000122052
Type:	Concentrate	Submitted:	02/01/2021 @ 12:49 PM
Test:	Residual Solvents	Started:	2/4/2021
Method:	TM04	Reported:	2/4/2021

## RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	102 - 2034	*ND
Butanes (Isobutane, n-Butane)	189 - 3783	*ND
Methanol	53 - 1060	*ND
Pentane	90 - 1809	*ND
Ethanol	93 - 1853	*ND
Acetone	87 - 1735	*ND
Isopropyl Alcohol	91 - 1825	*ND
Hexane	5 - 105	*ND
Ethyl Acetate	89 - 1784	*ND
Benzene	0.2 - 3.4	*ND
Heptanes	89 - 1771	*ND
Toluene	16 - 319	*ND
Xylenes (m,p,o-Xylenes)	118 - 2354	*ND

\* ND = None Detected (Defined by Dynamic Range of the method)

NOTES:  
N/A

## FINAL APPROVAL

 Daniel Weidensaul 4-Feb-2021 5:22 PM	 Ben Minton 4-Feb-2021 5:52 PM
PREPARED BY / DATE	APPROVED BY / DATE

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Certificate #4329.02

## VetCS 33mg/ml Hemp Extract

Batch ID:	103337	Test ID:	T000122050
Type:	Edible	Submitted:	02/01/2021 @ 12:49 PM
Test:	Microbial Contaminants	Started:	2/3/2021
Method:	TM24, TM25, TM26, TM27, TM28	Reported:	2/6/2021

## MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
<b>Total Aerobic Count**</b>	None Detected
<b>Total Coliforms**</b>	None Detected
<b>Total Yeast and Molds**</b>	None Detected
<b>E. coli</b>	Absent
<b>E. coli (STEC)</b>	None Detected
<b>Salmonella</b>	None Detected

\* CFU/g = Colony Forming Unit per Gram

\*\* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples:  $10^2 = 100$  CFU  
 $10^3 = 1,000$  CFU  
 $10^4 = 10,000$  CFU  
 $10^5 = 100,000$  CFU

## NOTES:



Free from visual mold, mildew, and foreign matter

TYM: None Detected

Total Aerobic: None Detected

Coliforms: None Detected

## FINAL APPROVAL

  
Nick Tumminaro  
6-Feb-2021  
1:44 PM  
Greg Zimpfer  
6-Feb-2021  
3:48 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03

## VetCS 33mg/ml Hemp Extract



<b>Batch ID:</b>	103337	<b>Test ID:</b>	T000122051
<b>Type:</b>	Other	<b>Submitted:</b>	02/01/2021 @ 12:49 PM
<b>Test:</b>	Metals	<b>Started:</b>	2/2/2021
<b>Method:</b>	TM19	<b>Reported:</b>	2/4/2021

## HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.070 - 7.03	ND
Cadmium	0.072 - 7.16	ND
Mercury	0.072 - 7.19	ND
Lead	0.073 - 7.32	ND

\* ND = None Detected (Defined by Dynamic Range of the method)

## FINAL APPROVAL

	Daniel Weidensaul 4-Feb-2021 9:55 AM		Greg Zimpfer 4-Feb-2021 3:03 PM
PREPARED BY / DATE		APPROVED BY / DATE	

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**VetCS 33mg/ml Hemp Extract**

<b>Batch ID:</b>	103337	<b>Test ID:</b>	T000122049
<b>Type:</b>	Concentrate	<b>Submitted:</b>	02/01/2021 @ 12:49 PM
<b>Test:</b>	Pesticides	<b>Started:</b>	2/5/2021
<b>Method:</b>	TM17	<b>Reported:</b>	2/8/2021


**PESTICIDE RESIDUE**

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	39 - 2557	ND*	Malathion	291 - 2557	ND*
Acetamiprid	40 - 2557	ND*	Metalaxyl	39 - 2557	ND*
Abamectin	>304	ND*	Methiocarb	42 - 2557	ND*
Azoxystrobin	44 - 2557	ND*	Methomyl	43 - 2557	ND*
Bifenazate	36 - 2557	ND*	MGK 264 1	160 - 2557	ND*
Boscalid	31 - 2557	ND*	MGK 264 2	115 - 2557	ND*
Carbaryl	41 - 2557	ND*	Myclobutanil	47 - 2557	ND*
Carbofuran	42 - 2557	ND*	Naled	42 - 2557	ND*
Chlorantraniliprole	48 - 2557	ND*	Oxamyl	40 - 2557	ND*
Chlorpyrifos	49 - 2557	ND*	Paclobutrazol	42 - 2557	ND*
Clofentezine	283 - 2557	ND*	Permethrin	268 - 2557	ND*
Diazinon	274 - 2557	ND*	Phosmet	40 - 2557	ND*
Dichlorvos	>305	ND*	Prophos	298 - 2557	ND*
Dimethoate	38 - 2557	ND*	Propoxur	40 - 2557	ND*
E-Fenpyroximate	323 - 2557	ND*	Pyridaben	298 - 2557	ND*
Etofenprox	42 - 2557	ND*	Spinosad A	28 - 2557	ND*
Etoxazole	298 - 2557	ND*	Spinosad D	78 - 2557	ND*
Fenoxycarb	>42	ND*	Spiromesifen	>288	ND*
Fipronil	40 - 2557	ND*	Spirotetramat	>294	ND*
Flonicamid	48 - 2557	ND*	Spiroxamine 1	18 - 2557	ND*
Fludioxonil	>287	ND*	Spiroxamine 2	24 - 2557	ND*
Hexythiazox	40 - 2557	ND*	Tebuconazole	288 - 2557	ND*
Imazalil	255 - 2557	ND*	Thiacloprid	40 - 2557	ND*
Imidacloprid	43 - 2557	ND*	Thiamethoxam	39 - 2557	ND*
Kresoxim-methyl	45 - 2557	ND*	Trifloxystrobin	41 - 2557	ND*


\* ND = None Detected (Defined by Dynamic Range of the method)

N/A

**FINAL APPROVAL**

 Tyler Wiese  
8-Feb-2021  
7:17 PM

PREPARED BY / DATE

 Ben Minton  
8-Feb-2021  
7:46 PM

APPROVED BY / DATE

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