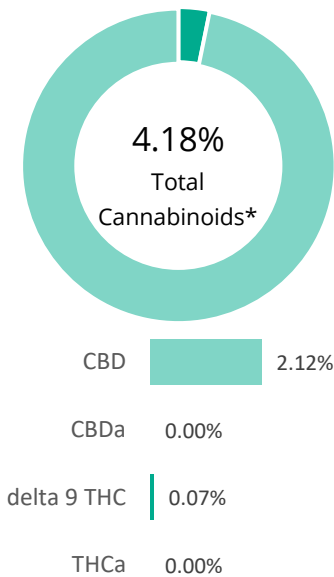


082521-1200mg CBD:CBG:CBN-C0504

<b>Batch ID:</b>	103351	<b>Test ID:</b>	T000160197
<b>Type:</b>	Concentrate	<b>Submitted:</b>	08/26/2021 @ 05:26 PM
<b>Test:</b>	Potency	<b>Started:</b>	8/30/2021
<b>Method:</b>	TM14 (HPLC-DAD)	<b>Reported:</b>	8/31/2021

## 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	0.07	0.7
Cannabidiolic acid (CBDA)	0.06	ND	ND
Cannabidiol (CBD)	0.06	2.12	21.2
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.05	ND	ND
Cannabinolic Acid (CBNA)	0.03	ND	ND
Cannabinol (CBN)	0.01	1.00	10.0
Cannabigerolic acid (CBGA)	0.05	ND	ND
Cannabigerol (CBG)	0.01	0.99	9.9
Tetrahydrocannabivarinic Acid (THCVA)	0.04	ND	ND
Tetrahydrocannabivarin (THCV)	0.01	ND	ND
Cannabidivarinic Acid (CBDVA)	0.02	ND	ND
Cannabidivarin (CBDV)	0.01	ND	ND
Cannabichromenic Acid (CBCA)	0.02	ND	ND
Cannabichromene (CBC)	0.02	ND	ND
<b>Total Cannabinoids</b>		<b>4.18</b>	<b>41.8</b>
Total Potential THC**		0.07	0.7
Total Potential CBD**		2.12	21.2

% = % (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.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and}$$


$$\text{Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$

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


### NOTES:

N/A

## FINAL APPROVAL


 Karen Winternheimer  
 31-Aug-2021  
 1:49 PM

PREPARED BY / DATE


 Daniel Weidensaul  
 31-Aug-2021  
 2:15 PM

APPROVED BY / DATE

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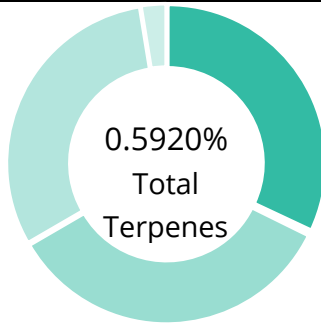


Certificate #4329.02

## VetCS CBD:CBG:CBN Blend

<b>Batch ID:</b>	103351	<b>Test ID:</b>	T000166494
<b>Type:</b>	Concentrate	<b>Submitted:</b>	10/07/2021 @ 01:34 PM
<b>Test:</b>	Terpenes	<b>Started:</b>	10/11/2021
<b>Method:</b>	TM22 (GC-MS)	<b>Reported:</b>	10/12/2021

## TERPENE PROFILE



Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.0000	0.000
Camphene	0.0000	0.000
delta-3-Carene	0.0012	0.012
beta-Caryophyllene	0.1824	1.824
(-)-Caryophyllene Oxide	0.0000	0.000
p-Cymene	0.0000	0.000
Eucalyptol	0.0000	0.000
Geraniol	0.0000	0.000
alpha-Humulene	0.0152	0.152
(-)-Isopulegol	0.0000	0.000
d-Limonene	0.0000	0.000
Linalool	0.2032	2.032
beta-Myrcene	0.1893	1.893
cis-Nerolidol	0.0000	0.000
trans-Nerolidol	0.0000	0.000
Ocimene	0.0000	0.000
beta-Ocimene	0.0000	0.000
alpha-Pinene	0.0000	0.000
(-)-beta-Pinene	0.0000	0.000
alpha-Terpinene	0.0007	0.007
gamma-Terpinene	0.0000	0.000
Terpinolene	0.0000	0.000
	<b>0.5920</b>	<b>5.920</b>


## PREDOMINANT TERPENES


alpha-Pinene	0.0000
(-)-beta-Pinene	0.0000
beta-Myrcene	0.1893
delta-3-Carene	0.0012
alpha-Terpinene	0.0007
d-Limonene	0.0000
Linalool	0.2032
beta-Caryophyllene	0.1824
alpha-Humulene	0.0152
(-)-alpha-Bisabolol	0.0000

## NOTES:

N/A

## FINAL APPROVAL


 Rvan Weems  
 12-Oct-2021  
 4:24 PM


 Daniel Weidensaul  
 12-Oct-2021  
 4:26 PM

PREPARED BY / DATE

APPROVED BY / DATE

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A2LA Certificate Number 4329.02



Certificate #4329.02


Prepared for:

**VetCS CBD:CBG:CBN Blend**
**VETCS**

Batch ID or Lot Number: <b>103351</b>	Test: <b>Residual Solvents</b>	Reported: <b>10/11/21</b>	Location: 6834 S. UNIVERSITY BLVD. #225 CENTENNIAL, CO 80122
Matrix: N/A	Test ID: T000166496	Started: 10/11/21	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solvents	Received: 10/07/2021 @ 01:34 PM	Sampler ID: N/A

**RESIDUAL SOLVENTS DETERMINATION**

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
<b>Propane</b>	72 - 1433	*ND	
<b>Butanes</b> (Isobutane, n-Butane)	140 - 2806	*ND	
<b>Methanol</b>	55 - 1098	*ND	
<b>Pentane</b>	75 - 1499	*ND	
<b>Ethanol</b>	81 - 1629	*ND	
<b>Acetone</b>	86 - 1715	*ND	
<b>Isopropyl Alcohol</b>	90 - 1810	*ND	
<b>Hexane</b>	5 - 103	*ND	
<b>Ethyl Acetate</b>	86 - 1721	*ND	
<b>Benzene</b>	0 - 3	*ND	
<b>Heptanes</b>	80 - 1591	*ND	
<b>Toluene</b>	16 - 312	*ND	
<b>Xylenes</b> (m,p,o-Xylenes)	115 - 2297	*ND	


 Hannah Wright  
 11-Oct-21  
 4:26 PM

PREPARED BY / DATE


 Sam Smith  
 11-Oct-21  
 4:34 PM

APPROVED BY / DATE

**Definitions**

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

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Certificate #4329.02

## VetCS CBD:CBG:CBN Blend

<b>Batch ID:</b>	103351	<b>Test ID:</b>	T000166495
<b>Matrix:</b>	Finished Product	<b>Received:</b>	10/07/2021 @ 01:34 PM
<b>Test:</b>	Microbial Contaminants	<b>Started:</b>	10/8/2021
<b>Method:</b>	TM25 (qPCR) TM24, TM26, TM27, TM28 (Culture Plating)	<b>Reported:</b>	10/13/2021

## MICROBIAL CONTAMINANTS

Contaminant	Method	LOD	LLOQ	ULOQ	Result
<b>Total Aerobic Count*</b>	TM-26 Culture Plating	10 <sup>2</sup> CFU/g	10 <sup>3</sup> CFU/g	1.5x10 <sup>5</sup> CFU/g	<b>None Detected</b>
<b>Total Coliforms*</b>	TM-27 Culture Plating	10 <sup>1</sup> CFU/g	10 <sup>2</sup> CFU/g	1.5x10 <sup>4</sup> CFU/g	<b>None Detected</b>
<b>Total Yeast and Molds*</b>	TM-24 Culture Plating	10 <sup>1</sup> CFU/g	10 <sup>2</sup> CFU/g	1.5x10 <sup>4</sup> CFU/g	<b>None Detected</b>
<b><i>E. coli</i></b>	TM-28 Culture Plating	1 CFU/g	NA	NA	<b>Absent</b>
<b><i>E. coli</i> (STEC)</b>	TM-25 PCR	1 CFU/g	NA	NA	<b>Absent</b>
<b><i>Salmonella</i></b>	TM-25 PCR	1 CFU/g	NA	NA	<b>Absent</b>

\* 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<sup>2</sup> = 100 CFU  
 10<sup>3</sup> = 1,000 CFU  
 10<sup>4</sup> = 10,000 CFU  
 10<sup>5</sup> = 100,000 CFU

## NOTES:

Free from visual mold, mildew, and foreign matter

## DEFINITIONS:


CFU/g = Colony Forming Units per Gram.


LOD = Limit of Detection

ULOQ = Upper Limit of Quantitation

LLOQ = Lower Limit of Quantitation

## FINAL APPROVAL

  
 Jackson Osaghae-Nosa  
 10/13/2021  
 10:39:00 AM

  
 Brett Hudson  
 10/13/2021  
 10:45:00 AM

PREPARED BY / DATE

APPROVED BY / DATE

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