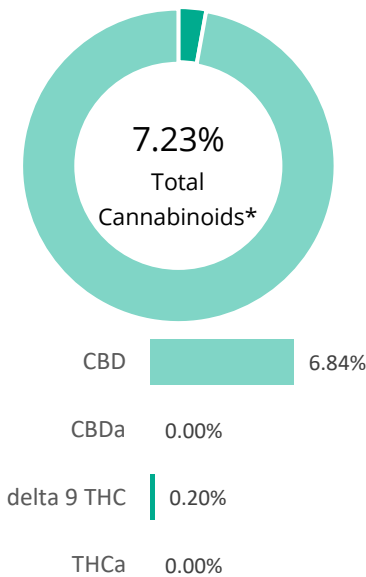


071421-VetCS-2000mg-Hemp Extract-C0504

Batch ID:	103347	Test ID:	T000152024
Type:	Concentrate	Submitted:	07/15/2021 @ 11:46 AM
Test:	Potency	Started:	7/16/2021
Method:	TM14	Reported:	7/19/2021

CANNABINOID PROFILE



Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.01	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.01	0.20	2.0
Cannabidiolic acid (CBDA)	0.01	ND	ND
Cannabidiol (CBD)	0.01	6.84	68.4
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.02	ND	ND
Cannabinolic Acid (CBNA)	0.01	ND	ND
Cannabinol (CBN)	0.00	0.03	0.3
Cannabigerolic acid (CBGA)	0.01	ND	ND
Cannabigerol (CBG)	0.00	0.13	1.3
Tetrahydrocannabivarinic Acid (THCVA)	0.01	ND	ND
Tetrahydrocannabivarin (THCV)	0.00	ND	ND
Cannabidivarinic Acid (CBDVA)	0.01	ND	ND
Cannabidivarin (CBDV)	0.00	0.03	0.3
Cannabichromenic Acid (CBCA)	0.01	ND	ND
Cannabichromene (CBC)	0.01	ND	ND
Total Cannabinoids		7.23	72.3
Total Potential THC**		0.20	2.0
Total Potential CBD**		6.84	68.4

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.

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

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


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

FINAL APPROVAL



Rvan Weems
19-Jul-2021
3:59 PM

PREPARED BY / DATE



Daniel Weidensaul
19-Jul-2021
4:02 PM

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

Prepared for:

VetCS 2000mg Full Plant Hemp Extract
VetCS


Batch ID or Lot Number: 103347	Test: Residual Solvents	Reported: 8/30/21	Location: 6834 S University Blvd #225 Centennial, CO 80122
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Matrix: N/A	Test ID: T000160194	Started: 8/30/21	USDA License: N/A
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Status: N/A	Methods: TM04 (GC-MS): Residual Solvents	Received: 08/26/2021 @ 05:26 PM	Sampler ID: N/A
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RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	75 - 1505	*ND	
Butanes (Isobutane, n-Butane)	142 - 2847	*ND	
Methanol	55 - 1091	*ND	
Pentane	79 - 1574	*ND	
Ethanol	79 - 1574	*ND	
Acetone	87 - 1736	*ND	
Isopropyl Alcohol	93 - 1865	*ND	
Hexane	5 - 107	*ND	
Ethyl Acetate	88 - 1757	*ND	
Benzene	0 - 3	*ND	
Heptanes	83 - 1662	*ND	
Toluene	16 - 318	*ND	
Xylenes (m,p,o-Xylenes)	113 - 2264	*ND	


 Sam Smith
 30-Aug-21
 2:53 PM


 Ryan Weems
 30-Aug-21
 2:55 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

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

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Certificate #4329.02


Prepared for:

VetCS 2000mg Full Plant Hemp Extract
VETCS

Batch ID or Lot Number: 103347	Test: Metals	Reported: 8/25/21	Location: 6834 S. UNIVERSITY BLVD. #225 CENTENNIAL, CO 80122
Matrix: Unit	Test ID: T000157744	Started: 8/24/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS); Heavy Metals	Received: 08/19/2021 @ 12:19 PM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.044 - 4.42	ND	
Cadmium	0.043 - 4.32	ND	
Mercury	0.044 - 4.35	ND	
Lead	0.041 - 4.07	ND	


 Daniel Weidensaul
 25-Aug-21
 12:56 PM

PREPARED BY / DATE


 Ryan Weems
 25-Aug-21
 12:57 PM

APPROVED BY / DATE

Definitions

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

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Certificate #4329.02

Prepared for:

VetCS 2000mg Full Plant Hemp Extract
VETCS


Batch ID or Lot Number: 103347	Test: Pesticides	Reported: 8/26/21	Location: 6834 S. UNIVERSITY BLVD. #225 CENTENNIAL, CO 80122
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Matrix: Concentrate	Test ID: T000157742	Started: 8/24/21	USDA License: N/A
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Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 08/19/2021 @ 12:19 PM	Sampler ID: N/A
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PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	28	ND	Fenoxycarb	41	ND	Paclobutrazol	43	ND
Acetamiprid	30	ND	Fipronil	55	ND	Permethrin	309	ND
Avermectin	273	ND	Flonicamid	58	ND	Phosmet	28	ND
Azoxystrobin	38	ND	Fludioxonil	370	ND	Prophos	370	ND
Bifenazate	42	ND	Hexythiazox	28	ND	Propoxur	34	ND
Boscalid	41	ND	Imazalil	293	ND	Pyridaben	291	ND
Carbaryl	31	ND	Imidacloprid	31	ND	Spinosad A	30	ND
Carbofuran	33	ND	Kresoxim-methyl	150	ND	Spinosad D	60	ND
Chlorantraniliprole	16	ND	Malathion	308	ND	Spiromesifen	226	ND
Chlorpyrifos	500	ND	Metalaxyl	39	ND	Spirotetramat	334	ND
Clofentezine	287	ND	Methiocarb	42	ND	Spiroxamine 1	21	ND
Diazinon	292	ND	Methomyl	29	ND	Spiroxamine 2	22	ND
Dichlorvos	300	ND	MGK 264 1	175	ND	Tebuconazole	339	ND
Dimethoate	39	ND	MGK 264 2	138	ND	Thiacloprid	36	ND
E-Fenpyroximate	274	ND	Myclobutanil	13	ND	Thiamethoxam	34	ND
Etofenprox	40	ND	Naled	42	ND	Trifloxystrobin	35	ND
Etoxazole	301	ND	Oxamyl	1500	ND			


 Sam Smith
 8/26/2021
 4:08:00 PM


 Karen Winternheimer
 8/26/2021
 4:11:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOQ = Limit of Quantification
 ppb = Parts per Billion

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Certificate #4329.02

VetCS 2000mg Full Plant Hemp Extract

Batch ID:	103347	Test ID:	T000157743
Matrix:	Finished Product	Received:	08/19/2021 @ 12:19 PM
Test:	Microbial Contaminants	Started:	8/20/2021
Method:	TM25 (qPCR) TM24, TM26, TM27, TM28 (Culture Plating)	Reported:	8/24/2021

MICROBIAL CONTAMINANTS

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

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

Examples: 10² = 100 CFU
10³ = 1,000 CFU
10⁴ = 10,000 CFU
10⁵ = 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


Brianne Maillot
23-Aug-2021
3:46 PM


Sarah Henning
24-Aug-2021
11:44 AM

PREPARED BY / DATE

APPROVED BY / DATE

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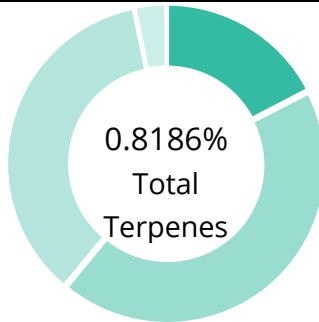


Certificate #4329.03

VetCS 2000mg Full Plant Hemp Extract

Batch ID:	103347	Test ID:	T000157741
Type:	Concentrate	Submitted:	08/19/2021 @ 12:19 PM
Test:	Terpenes	Started:	8/24/2021
Method:	TM22 (GC-MS)	Reported:	9/10/2021

TERPENE PROFILE



Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.0000	0.000
Camphene	0.0000	0.000
delta-3-Carene	0.0007	0.007
beta-Caryophyllene	0.2932	2.932
(-)-Caryophyllene Oxide	0.0000	0.000
p-Cymene	0.0000	0.000
Eucalyptol	0.0000	0.000
Geraniol	0.0000	0.000
alpha-Humulene	0.0262	0.262
(-)-Isopulegol	0.0000	0.000
d-Limonene	0.0000	0.000
Linalool	0.3562	3.562
beta-Myrcene	0.1423	1.423
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	0.0000	0.000
gamma-Terpinene	0.0000	0.000
Terpinolene	0.0000	0.000
	0.8186	8.186


PREDOMINANT TERPENES


alpha-Pinene	0.0000
(-)-beta-Pinene	0.0000
beta-Myrcene	0.1423
delta-3-Carene	0.0007
alpha-Terpinene	0.0000
d-Limonene	0.0000
Linalool	0.3562
beta-Caryophyllene	0.2932
alpha-Humulene	0.0262
(-)-alpha-Bisabolol	0.0000

NOTES:

N/A

FINAL APPROVAL


 Rvan Weems
 10-Sep-2021
 4:57 PM


 Daniel Weidensaul
 10-Sep-2021
 5:25 PM

PREPARED BY / DATE

APPROVED BY / DATE

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