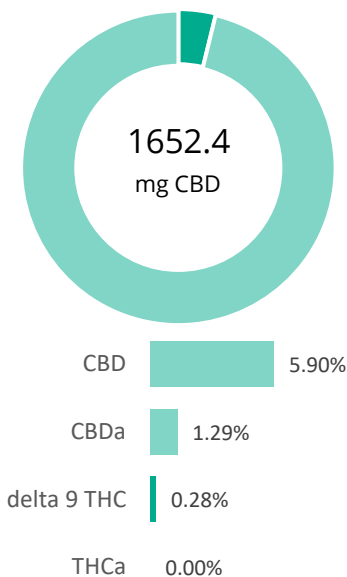


PRO Hemp Dog CBD/CBDA 66MG/1ml

Batch ID:	O544877	Test ID:	T000166487
Type:	Unit	Submitted:	09/29/2021 @ 01:17 PM
Test:	Potency	Started:	10/1/2021
Method:	TM14 (HPLC-DAD)	Reported:	10/4/2021

CANNABINOID PROFILE



Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	4.86	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	5.48	78.24	2.8
Cannabidiolic acid (CBDA)	3.85	361.56	12.9
Cannabidiol (CBD)	3.76	1652.40	59.0
Delta 8-Tetrahydrocannabinol (Delta 8THC)	6.04	ND	ND
Cannabinolic Acid (CBNA)	3.46	ND	ND
Cannabinol (CBN)	1.58	1.72	0.1
Cannabigerolic acid (CBGA)	5.07	22.54	0.8
Cannabigerol (CBG)	1.21	70.43	2.5
Tetrahydrocannabivarinic Acid (THCVA)	4.28	ND	ND
Tetrahydrocannabivarin (THCV)	1.10	ND	ND
Cannabidivarinic Acid (CBDVA)	1.61	10.35	0.4
Cannabidivarin (CBDV)	0.89	45.29	1.6
Cannabichromenic Acid (CBCA)	1.95	12.31	0.4
Cannabichromene (CBC)	2.13	74.13	2.6
Total Cannabinoids		2328.97	83.2
Total Potential THC**		78.24	2.8
Total Potential CBD**		1969.49	70.3

% = % (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.

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


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

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

NOTES:

of Servings = 1, Sample Weight=28g

FINAL APPROVAL

 Hannah Wright 4-Oct-2021 6:05 PM	 Rvan Weems 4-Oct-2021 7:08 PM
PREPARED BY / DATE	APPROVED BY / DATE

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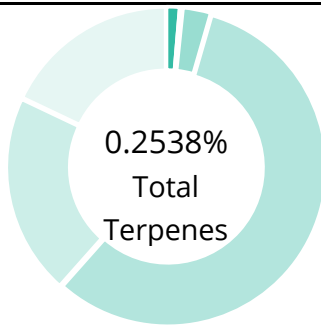


Certificate #4329.02

PRO Hemp Dog CBD/CBDA 66MG/1ml

Batch ID:	O544877	Test ID:	T000166488
Type:	Concentrate	Submitted:	09/29/2021 @ 01:17 PM
Test:	Terpenes	Started:	10/1/2021
Method:	TM22 (GC-MS)	Reported:	10/4/2021

TERPENE PROFILE



Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.0393	0.393
Camphene	0.0000	0.000
delta-3-Carene	0.0007	0.007
beta-Caryophyllene	0.1250	1.250
(-)-Caryophyllene Oxide	0.0209	0.209
p-Cymene	0.0000	0.000
Eucalyptol	0.0000	0.000
Geraniol	0.0000	0.000
alpha-Humulene	0.0449	0.449
(-)-Isopulegol	0.0000	0.000
d-Limonene	0.0000	0.000
Linalool	0.0062	0.062
beta-Myrcene	0.0029	0.029
cis-Nerolidol	0.0000	0.000
trans-Nerolidol	0.0123	0.123
Ocimene	0.0000	0.000
beta-Ocimene	0.0006	0.006
alpha-Pinene	0.0000	0.000
(-)-beta-Pinene	0.0000	0.000
alpha-Terpinene	0.0000	0.000
gamma-Terpinene	0.0010	0.010
Terpinolene	0.0000	0.000
	0.2538	2.538

PREDOMINANT TERPENES

alpha-Pinene	0.0000
(-)-beta-Pinene	0.0000
beta-Myrcene	0.0029
delta-3-Carene	0.0007
alpha-Terpinene	0.0000
d-Limonene	0.0000
Linalool	0.0062
beta-Caryophyllene	0.1250
alpha-Humulene	0.0449
(-)-alpha-Bisabolol	0.0393

NOTES:

N/A

FINAL APPROVAL

 Daniel Weidensaul 4-Oct-2021 3:24 PM	 Ryan Weems 4-Oct-2021 3:26 PM
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PREPARED BY / DATE

APPROVED BY / DATE

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A2LA Certificate Number 4329.02



Certificate #4329.02

PRO Hemp Dog CBD/CBDA 66MG/1ml

Batch ID:	O544877	Test ID:	T000166490
Matrix:	General/Other	Received:	09/29/2021 @ 01:17 PM
Test:	Microbial Contaminants	Started:	9/30/2021
Method:	TM25 (qPCR) TM24, TM26, TM27, TM28 (Culture Plating)	Reported:	10/4/2021

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


 Brett Hudson
 10/3/2021
 11:51:00 AM

PREPARED BY / DATE


 Courtney Richards
 10/4/2021
 4:42:00 PM

APPROVED BY / DATE

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Certificate #4329.03

Prepared for:

PRO Hemp Dog CBD/CBDA 66MG/1ml
Vital Planet

Batch ID or Lot Number: 0544877	Test: Pesticides	Reported: 10/7/21	Location: 133 Candy Lane Palm Harbor, FL 34683
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Matrix: Concentrate	Test ID: t000166489	Started: 10/6/21	USDA License: N/A
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Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 09/29/2021 @ 01:17 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	43	ND	Fenoxycarb	47	ND	Paclobutrazol	45	ND
Acetamiprid	43	ND	Fipronil	51	ND	Permethrin	316	ND
Avermectin	345	ND	Flonicamid	43	ND	Phosmet	41	ND
Azoxystrobin	47	ND	Fludioxonil	310	ND	Prophos	297	ND
Bifenazate	44	ND	Hexythiazox	44	ND	Propoxur	45	ND
Boscalid	52	ND	Imazalil	285	ND	Pyridaben	306	ND
Carbaryl	41	ND	Imidacloprid	46	ND	Spinosad A	36	ND
Carbofuran	43	ND	Kresoxim-methyl	150	ND	Spinosad D	55	ND
Chlorantraniliprole	44	ND	Malathion	311	ND	Spiromesifen	314	ND
Chlorpyrifos	500	ND	Metalaxyl	45	ND	Spirotetramat	312	ND
Clofentezine	302	ND	Methiocarb	44	ND	Spiroxamine 1	19	ND
Diazinon	313	ND	Methomyl	45	ND	Spiroxamine 2	25	ND
Dichlorvos	295	ND	MGK 264 1	179	ND	Tebuconazole	311	ND
Dimethoate	43	ND	MGK 264 2	127	ND	Thiacloprid	46	ND
E-Fenpyroximate	241	ND	Myclobutanil	44	ND	Thiamethoxam	44	ND
Etofenprox	50	ND	Naled	44	ND	Trifloxystrobin	46	ND
Etoxazole	327	ND	Oxamyl	1500	ND			

K Winterheimer
 Karen Winterheimer
 10/7/2021
 12:46:00 PM

Alex Smith
 Alex Smith
 10/7/2021
 2:34:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOQ = Limit of Quantification
 ppb = Parts per Billion

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Certificate #4329.02


Prepared for:

PRO Hemp Dog CBD/CBDA 66MG/1ml
Vital Planet


Batch ID or Lot Number: 0544877	Test: Metals	Reported: 10/5/21	Location: 133 Candy Lane Palm Harbor, FL 34683
Matrix: Other	Test ID: T000166491	Started: 10/4/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals	Received: 09/29/2021 @ 01:17 PM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.048 - 4.82	ND	
Cadmium	0.047 - 4.74	ND	
Mercury	0.046 - 4.58	ND	
Lead	0.048 - 4.79	ND	


 Sam Smith
 5-Oct-21
 12:14 PM

PREPARED BY / DATE


 Ryan Weems
 5-Oct-21
 12:17 PM

APPROVED BY / DATE

Definitions

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

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Certificate #4329.02

Prepared for:


PRO Hemp Dog CBD/CBDA 66MG/1ml
Vital Planet

Batch ID or Lot Number: 0544877	Test: Residual Solvents	Reported: 10/5/21	Location: 133 Candy Lane Palm Harbor, FL 34683
Matrix: N/A	Test ID: T000166492	Started: 10/5/21	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solvents	Received: 09/29/2021 @ 01:17 PM	Sampler ID: N/A

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	68 - 1366	*ND	
Butanes (Isobutane, n-Butane)	134 - 2680	*ND	
Methanol	55 - 1098	*ND	
Pentane	79 - 1575	*ND	
Ethanol	79 - 1575	461	
Acetone	88 - 1760	*ND	
Isopropyl Alcohol	98 - 1962	*ND	
Hexane	6 - 114	*ND	
Ethyl Acetate	93 - 1855	*ND	
Benzene	0 - 4	*ND	
Heptanes	85 - 1703	*ND	
Toluene	16 - 322	*ND	
Xylenes (m,p,o-Xylenes)	118 - 2354	*ND	


 Daniel Weidensaul
 5-Oct-21
 6:41 PM


 Ryan Weems
 5-Oct-21
 6:47 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:

PRO Hemp Dog CBD/CBDA 66MG/1ml**Vital Planet**

Batch ID or Lot Number: 0544877	Test: Mycotoxins	Reported: 10/4/21	Location: 133 Candy Lane Palm Harbor, FL 34683
Matrix: Concentrate	Test ID: T000166493	Started: 10/1/21	USDA License: N/A
Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	Received: 09/29/2021 @ 01:17 PM	Sampler ID: N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3 - 136.1	ND	N/A
Aflatoxin B1	1.1 - 34.2	ND	
Aflatoxin B2	1.1 - 34	ND	
Aflatoxin G1	0.9 - 33.6	ND	
Aflatoxin G2	1.1 - 33	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Sam Smith
4-Oct-21
11:59 AM

PREPARED BY / DATE

Alex Smith
4-Oct-21
2:39 PM

APPROVED BY / DATE

Definitions

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

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