

Prepared for:

ASPEN GREEN26 AVONDALE LANE #216B
BEAVER CREEK, CO USA 81620**Medium Dogs 750mg pet tincture UNFLAVORED**

Batch ID or Lot Number: 220301D	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 1 of 7
Reported: 09Mar2022	Started: 08Mar2022	Received: 07Mar2022	



Mycotoxins - Colorado Compliance

Test ID: T000196542

Methods: TM18 (UHPLC-QQQ

LCMS/MS): Mycotoxins



	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	1.64 - 134.80	ND	N/A
Aflatoxin B1	1.00 - 34.45	ND	
Aflatoxin B2	1.06 - 34.09	ND	
Aflatoxin G1	1.03 - 33.93	ND	
Aflatoxin G2	1.25 - 33.51	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval
Samantha Smith
09Mar2022
11:25:00 AM MST
PREPARED BY / DATE
Ryan Weems
09Mar2022
11:28:00 AM MST
APPROVED BY / DATE**Heavy Metals - Colorado Compliance**

Test ID: T000196540

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.21	ND	
Cadmium	0.04 - 4.31	ND	
Mercury	0.04 - 4.17	ND	
Lead	0.04 - 4.19	ND	

Final Approval
Daniel Weidensaul
09Mar2022
12:29:00 PM MST
PREPARED BY / DATE
Ryan Weems
09Mar2022
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Reported:
09Mar2022Started:
08Mar2022Received:
07Mar2022**Cannabinoids - Colorado
Compliance**

Test ID: T000196536

Methods: TM14 (HPLC-DAD): Potency – Standard

Cannabinoid Analysis

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	2.004	6.080	28.951	1.03	
Cannabichromenic Acid (CBCA)	1.833	5.561	ND	ND	
Cannabidiol (CBD)	5.031	16.036	811.670	28.99	
Cannabidiolic Acid (CBDA)	5.160	16.447	ND	ND	
Cannabidivarin (CBDV)	1.190	3.793	3.55*	0.13*	
Cannabidivarinic Acid (CBDVA)	2.153	6.861	ND	ND	
Cannabigerol (CBG)	1.138	3.452	15.019	0.54	
Cannabigerolic Acid (CBGA)	4.757	14.430	ND	ND	
Cannabinol (CBN)	1.484	4.503	ND	ND	
Cannabinolic Acid (CBNA)	3.245	9.845	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	5.667	17.191	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	5.146	15.613	23.022	0.82	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	4.560	13.833	ND	ND	
Tetrahydrocannabivarin (THCV)	1.035	3.140	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	4.022	12.201	ND	ND	
Total Cannabinoids			882.212	31.51	
Total Potential THC**			23.022	0.82	
Total Potential CBD**			811.670	28.99	

Final ApprovalJacob Miller
09Mar2022
02:12:00 PM MST

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Ryan Weems
09Mar2022
02:16:00 PM MST

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Reported:
09Mar2022Started:
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07Mar2022**Residual Solvents -
Colorado Compliance**

Test ID: T000196541

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	92 - 1840	ND	
Butanes (Isobutane, n-Butane)	184 - 3675	ND	
Methanol	64 - 1277	ND	
Pentane	96 - 1918	ND	
Ethanol	102 - 2039	ND	
Acetone	104 - 2071	ND	
Isopropyl Alcohol	109 - 2187	ND	
Hexane	6 - 126	ND	
Ethyl Acetate	106 - 2118	ND	
Benzene	0.2 - 4.3	ND	
Heptanes	102 - 2033	ND	
Toluene	19 - 384	ND	
Xylenes (m,p,o-Xylenes)	141 - 2818	ND	

Final ApprovalHannah Wright
09Mar2022
02:45:00 PM MST

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APPROVED BY / DATE

Daniel Weidensaul
09Mar2022
02:47:00 PM MST

Prepared for:

ASPEN GREEN

26 AVONDALE LANE #216B
BEAVER CREEK, CO USA 81620

Medium Dogs 750mg pet tincture UNFLAVORED

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Concentrate

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Reported:
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Started:
08Mar2022

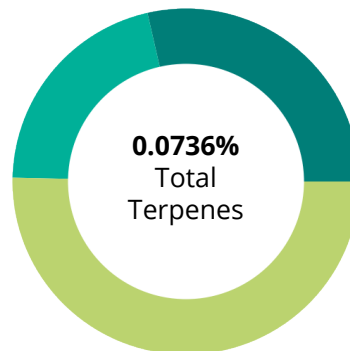
Received:
07Mar2022

Terpenes

Test ID: T000196537

Methods: TM22 (GC-MS)

	(w/w)	(mg/g)
(-)-alpha-Bisabolol	0.0202	0.202
(-)-beta-Pinene	0.0000	0.0000
(-)-Caryophyllene Oxide	0.0000	0.0000
(-)-Isopulegol	0.0000	0.0000
alpha-Humulene	0.0149	0.149
alpha-Pinene	0.0000	0.0000
alpha-Terpinene	0.0000	0.0000
beta-Caryophyllene	0.0356	0.356
beta-Myrcene	0.0000	0.0000
beta-Ocimene	0.0000	0.0000
Camphene	0.0000	0.0000
cis-Nerolidol	0.0000	0.0000
d-Limonene	0.0000	0.0000
delta-3-Carene	0.0000	0.0000
Eucalyptol	0.0000	0.0000
gamma-Terpinene	0.0000	0.0000
Geraniol	0.0000	0.0000
Linalool	0.0000	0.0000
Ocimene	0.0000	0.0000
p-Cymene	0.0000	0.0000
Terpinolene	0.0000	0.0000
trans-Nerolidol	0.0029	0.029
	0.0736	0.7360



PREDOMINANT TERPENES

(-)-alpha-Bisabolol	0.0202	
(-)-beta-Pinene	0.0000	
alpha-Humulene	0.0149	
alpha-Pinene	0.0000	
alpha-Terpinene	0.0000	
beta-Caryophyllene	0.0356	
d-Limonene	0.0000	
delta-3-Carene	0.0000	
Linalool	0.0000	

Notes

Final Approval


PREPARED BY / DATE

Ryan Weems
09Mar2022
02:29:00 PM MST


APPROVED BY / DATE

Jacob Miller
09Mar2022
02:32:00 PM MST

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Reported:
09Mar2022Started:
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07Mar2022**Pesticides**

Test ID: T000196538

Methods: TM17

(LC-QQ LC MS/MS)

Dynamic Range (ppb)

Result (ppb)

Abamectin	272 - 2555	ND
Acephate	38 - 2647	ND
Acetamiprid	37 - 2674	ND
Azoxystrobin	43 - 2680	ND
Bifenazate	40 - 2702	ND
Boscalid	54 - 2802	ND
Carbaryl	40 - 2714	ND
Carbofuran	45 - 2773	ND
Chlorantraniliprole	64 - 2669	ND
Chlorpyrifos	38 - 2684	ND
Clofentezine	271 - 2731	ND
Diazinon	278 - 2719	ND
Dichlorvos	278 - 2710	ND
Dimethoate	40 - 2725	ND
E-Fenpyroximate	289 - 2690	ND
Etofenprox	42 - 2695	ND
Etoxazole	293 - 2711	ND
Fenoxycarb	41 - 2695	ND
Fipronil	44 - 2702	ND
Flonicamid	49 - 2627	ND
Fludioxonil	285 - 2786	ND
Hexythiazox	40 - 2692	ND
Imazalil	254 - 2718	ND
Imidacloprid	44 - 2757	ND
Kresoxim-methyl	52 - 2704	ND

Dynamic Range (ppb)

Result (ppb)

Malathion	294 - 2701	ND
Metalaxyl	42 - 2777	ND
Methiocarb	41 - 2778	ND
Methomyl	38 - 2653	ND
MGK 264 1	169 - 1632	ND
MGK 264 2	114 - 1110	ND
Myclobutanil	38 - 2749	ND
Naled	49 - 2759	ND
Oxamyl	37 - 2664	ND
Paclobutrazol	40 - 2682	ND
Permethrin	290 - 2726	ND
Phosmet	35 - 2691	ND
Prophos	276 - 2729	ND
Propoxur	39 - 2737	ND
Pyridaben	288 - 2670	ND
Spinosad A	33 - 2243	ND
Spinosad D	45 - 495	ND
Spiromesifen	266 - 2680	ND
Spirotetramat	269 - 2686	ND
Spiroxamine 1	11 - 1171	ND
Spiroxamine 2	22 - 1530	ND
Tebuconazole	279 - 2698	ND
Thiacloprid	41 - 2692	ND
Thiamethoxam	44 - 2756	ND
Trifloxystrobin	42 - 2740	ND

Final ApprovalSam Smith
10Mar2022
09:06:00 AM MST

PREPARED BY / DATE



APPROVED BY / DATE

Karen Winternheimer
10Mar2022
09:09:00 AM MST

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Microbial Contaminants - Colorado Compliance

Test ID: T000196539

Methods: TM25 (qPCR) TM24, TM26,

TM27 (Culture Plating): Microbial

(Colorado Panel)

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 ² CFU/g	1.0x10 ³ - 1.5x10 ⁵	None Detected	
Total Coliforms*	TM27: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	

Final Approval



Eden Thompson-Wright
10Mar2022
10:50:00 AM MST



Carly Bader
10Mar2022
11:15:00 AM MST

PREPARED BY / DATE

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/f1785545-d137-40c4-bc9e-e08df2d7507e>

Definitions

LOD = Limit of Detection, ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation, PPB = Parts per Billion, % = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method). Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877)). Fail equates to a concentration level of Delta 9-THC, on a dry weight basis, higher than 0.3 percent + or - the measurement uncertainty. Total Potential THC 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)). ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method), CFU/g = Colony Forming Units 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: 10² = 100 CFU, 10³ = 1,000 CFU, 10⁴ = 10,000 CFU, 10⁵ = 100,000 CFU.

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. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit [A2LA for more details](#).



Cert #4329.02

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