

Prepared for:

ASPEN GREEN26 AVONDALE LANE #216B
BEAVER CREEK, CO USA 81620**Large Dogs 1500mg pet tincture UNFLAVORED**

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

Mycotoxins - Colorado Compliance

Test ID: T000196549

Methods: TM18 (UHPLC-QQQ)

LCMS/MS: Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	1.63 - 134.22	ND	N/A
Aflatoxin B1	0.99 - 34.30	ND	
Aflatoxin B2	1.06 - 33.95	ND	
Aflatoxin G1	1.02 - 33.79	ND	
Aflatoxin G2	1.25 - 33.37	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: T000196547

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
12:33:00 PM MST
APPROVED BY / DATE

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ASPEN GREEN

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

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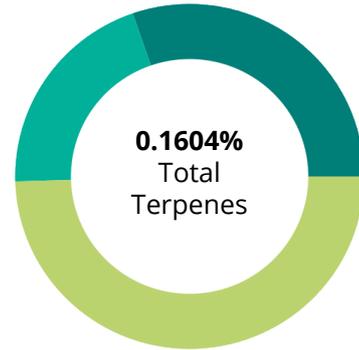
Batch ID or Lot Number: 220301E	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 2 of 7
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Terpenes

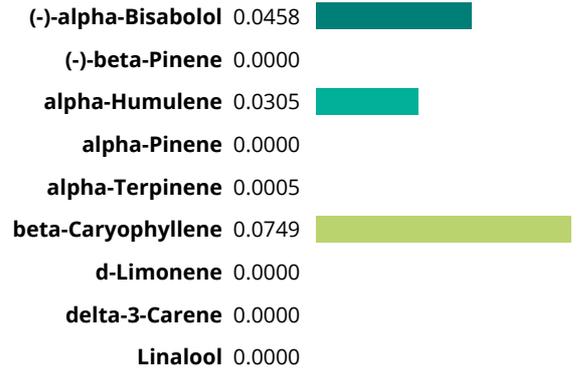
Test ID: T000196544

Methods: TM22 (GC-MS)

	%(w/w)	(mg/g)
(-)-alpha-Bisabolol	0.0458	0.458
(-)-beta-Pinene	0.0000	0.0000
(-)-Caryophyllene Oxide	0.0000	0.0000
(-)-Isopulegol	0.0000	0.0000
alpha-Humulene	0.0305	0.305
alpha-Pinene	0.0000	0.0000
alpha-Terpinene	0.0005	0.005
beta-Caryophyllene	0.0749	0.749
beta-Myrcene	0.0020	0.020
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	0.0067	0.067
	0.1604	1.6040



PREDOMINANT TERPENES



Notes

Final Approval


 Ryan Weems
 09Mar2022
 02:29:00 PM MST
 PREPARED BY / DATE


 Jacob Miller
 09Mar2022
 02:32:00 PM MST
 APPROVED BY / DATE

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

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Cannabinoids - Colorado Compliance

Test ID: T000196543
Methods: TM14 (HPLC-DAD): Potency - Standard

Cannabinoid Analysis	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	1.876	5.692	60.185	2.15	
Cannabichromenic Acid (CBCA)	1.716	5.207	ND	ND	
Cannabidiol (CBD)	4.711	15.015	1677.439	59.91	
Cannabidiolic Acid (CBDA)	4.831	15.400	9.362*	0.33*	
Cannabidivarin (CBDV)	1.114	3.551	7.634	0.27	
Cannabidivarinic Acid (CBDVA)	2.015	6.424	ND	ND	
Cannabigerol (CBG)	1.065	3.232	32.456	1.16	
Cannabigerolic Acid (CBGA)	4.454	13.511	ND	ND	
Cannabinol (CBN)	1.390	4.216	1.747*	0.06*	
Cannabinolic Acid (CBNA)	3.039	9.218	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	5.306	16.096	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	4.819	14.618	48.214	1.72	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	4.269	12.952	ND	ND	
Tetrahydrocannabivarin (THCV)	0.969	2.940	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	3.766	11.424	ND	ND	
Total Cannabinoids			1837.037	65.61	
Total Potential THC**			48.214	1.72	
Total Potential CBD**			1685.649	60.20	

Final Approval


 Jacob Miller
 09Mar2022
 02:12:00 PM MST
 PREPARED BY / DATE


 Ryan Weems
 09Mar2022
 02:16:00 PM MST
 APPROVED BY / DATE

Prepared for:

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**Residual Solvents -
Colorado Compliance**

Test ID: T000196548

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	83 - 1659	ND	
Butanes (Isobutane, n-Butane)	166 - 3314	ND	
Methanol	58 - 1151	ND	
Pentane	86 - 1730	ND	
Ethanol	92 - 1838	ND	
Acetone	93 - 1867	ND	
Isopropyl Alcohol	99 - 1972	ND	
Hexane	6 - 113	ND	
Ethyl Acetate	96 - 1910	ND	
Benzene	0.2 - 3.9	ND	
Heptanes	92 - 1833	ND	
Toluene	17 - 346	ND	
Xylenes (m,p,o-Xylenes)	127 - 2541	ND	

Final Approval

Hannah Wright
09Mar2022
02:45:00 PM MST

PREPARED BY / DATE



Daniel Weidensaul
09Mar2022
02:47:00 PM MST

APPROVED BY / DATE

Prepared for:
ASPEN GREEN

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

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Pesticides

Test ID: T000196545

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	272 - 2555	ND		Malathion	294 - 2701	ND
Acephate	38 - 2647	ND		Metalaxyl	42 - 2777	ND
Acetamiprid	37 - 2674	ND		Methiocarb	41 - 2778	ND
Azoxystrobin	43 - 2680	ND		Methomyl	38 - 2653	ND
Bifenazate	40 - 2702	ND		MGK 264 1	169 - 1632	ND
Boscalid	54 - 2802	ND		MGK 264 2	114 - 1110	ND
Carbaryl	40 - 2714	ND		Myclobutanil	38 - 2749	ND
Carbofuran	45 - 2773	ND		Naled	49 - 2759	ND
Chlorantraniliprole	64 - 2669	ND		Oxamyl	37 - 2664	ND
Chlorpyrifos	38 - 2684	ND		Paclobutrazol	40 - 2682	ND
Clofentezine	271 - 2731	ND		Permethrin	290 - 2726	ND
Diazinon	278 - 2719	ND		Phosmet	35 - 2691	ND
Dichlorvos	278 - 2710	ND		Prophos	276 - 2729	ND
Dimethoate	40 - 2725	ND		Propoxur	39 - 2737	ND
E-Fenpyroximate	289 - 2690	ND		Pyridaben	288 - 2670	ND
Etofenprox	42 - 2695	ND		Spinosad A	33 - 2243	ND
Etoxazole	293 - 2711	ND		Spinosad D	45 - 495	ND
Fenoxycarb	41 - 2695	ND		Spiromesifen	266 - 2680	ND
Fipronil	44 - 2702	ND		Spirotetramat	269 - 2686	ND
Flonicamid	49 - 2627	ND		Spiroxamine 1	11 - 1171	ND
Fludioxonil	285 - 2786	ND		Spiroxamine 2	22 - 1530	ND
Hexythiazox	40 - 2692	ND		Tebuconazole	279 - 2698	ND
Imazalil	254 - 2718	ND		Thiacloprid	41 - 2692	ND
Imidacloprid	44 - 2757	ND		Thiamethoxam	44 - 2756	ND
Kresoxim-methyl	52 - 2704	ND		Trifloxystrobin	42 - 2740	ND

Final Approval


 Sam Smith
 10Mar2022
 09:06:00 AM MST
 PREPARED BY / DATE


 Karen Winternheimer
 10Mar2022
 09:09:00 AM MST
 APPROVED BY / DATE

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Microbial Contaminants - Colorado Compliance

 Test ID: T000196546
 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 PREPARED BY / DATE	 Carly Bader 10Mar2022 11:15:00 AM MST APPROVED BY / DATE
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<https://results.botanacor.com/api/v1/coas/uuid/bb381d67-b2ce-422d-bcda-30ef41c0ce86>

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](#).


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