

CERTIFICATE OF ANALYSIS

Prepared for:

ASPEN GREEN

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


3000mg Citrus Full Spectrum Hemp Extract

Batch ID or Lot Number: AG-2206-3C	Test: Potency	Reported: 07Jun2022	USDA License: N/A
Matrix: Unit	Test ID: T000208933	Started: 06Jun2022	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	Received: 02Jun2022	Status: Active

Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	4.986	16.496	98.809	3.48	# of Servings = 1 Sample Weight=28.4g
Cannabichromenic Acid (CBCA)	4.561	15.088	ND	ND	
Cannabidiol (CBD)	14.910	44.080	3214.117	113.17	
Cannabidiolic Acid (CBDA)	15.292	45.210	51.496	1.81	
Cannabidivarin (CBDV)	3.526	10.425	18.857	0.66	
Cannabidivarinic Acid (CBDVA)	6.379	18.859	ND	ND	
Cannabigerol (CBG)	2.831	9.366	42.027	1.48	
Cannabigerolic Acid (CBGA)	11.835	39.154	ND	ND	
Cannabinol (CBN)	3.694	12.219	<LOQ	0.15	
Cannabinolic Acid (CBNA)	8.075	26.713	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	14.100	46.646	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	12.806	42.363	74.512	2.62	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	11.346	37.534	ND	ND	
Tetrahydrocannabivarin (THCV)	2.575	8.519	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	10.007	33.106	ND	ND	
Total Cannabinoids			3504.007	123.38	
Total Potential THC			74.512	2.62	
Total Potential CBD			3259.279	114.76	

Final Approval



Ryan Weems
07Jun2022
03:35:00 PM MDT

PREPARED BY / DATE



Karen Winternheimer
07Jun2022
03:40:00 PM MDT

APPROVED BY / DATE


<https://results.botanacor.com/api/v1/coas/uuid/ff9915af-1dab-4c00-ba17-71f5a7e576d1>

Definitions

% = % (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)).

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 17025:2017 Accredited by A2LA.



Cert #4329.02

CDPHE Certified

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Prepared for:

ASPEN GREEN26 AVONDALE LANE #216B
BEAVER CREEK, CO USA 81620**3000mg Citrus Full Spectrum Hemp Extract**

Batch ID or Lot Number:

AG-2206-3C

Test, Test ID and Methods:

Various

Matrix:

Concentrate

Page 5 of 6

Reported:

06Jun2022

Started:

03Jun2022

Received:

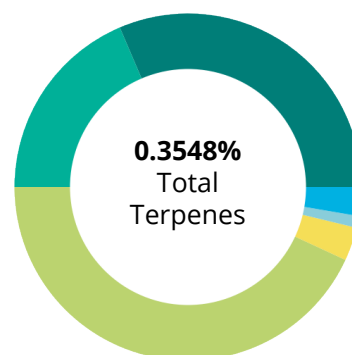
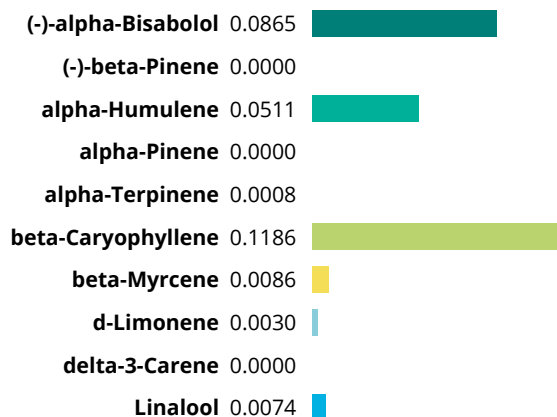
02Jun2022

Terpenes

Test ID: T000208934

Methods: TM22 (GC-MS)

	%(w/w)	(mg/g)
(-)-alpha-Bisabolol	0.0865	0.865
(-)-beta-Pinene	0.0000	0.0000
(-)-Caryophyllene Oxide	0.0420	0.420
(-)-Isopulegol	0.0000	0.0000
alpha-Humulene	0.0511	0.511
alpha-Pinene	0.0000	0.0000
alpha-Terpinene	0.0008	0.008
beta-Caryophyllene	0.1186	1.186
beta-Myrcene	0.0086	0.086
beta-Ocimene	0.0035	0.035
Camphene	0.0000	0.0000
cis-Nerolidol	0.0000	0.0000
d-Limonene	0.0030	0.030
delta-3-Carene	0.0000	0.0000
Eucalyptol	0.0023	0.023
gamma-Terpinene	0.0011	0.011
Geraniol	0.0000	0.0000
Linalool	0.0074	0.074
Ocimene	0.0000	0.0000
p-Cymene	0.0000	0.0000
Terpinolene	0.0185	0.185
trans-Nerolidol	0.0114	0.114
	0.3548	3.5480

**PREDOMINANT TERPENES****Notes****Final Approval**Ryan Weems
08Jun2022
04:48:00 PM MDT

PREPARED BY / DATE

Jacob Miller
08Jun2022
04:52:00 PM MDT

APPROVED BY / DATE

Prepared for:

ASPEN GREEN26 AVONDALE LANE #216B
BEAVER CREEK, CO USA 81620**3000mg Citrus Full Spectrum Hemp Extract**

Batch ID or Lot Number:

AG-2206-3C

Test, Test ID and Methods:

Various

Matrix:

Concentrate

Page 1 of 6

Reported:

06Jun2022

Started:

03Jun2022

Received:

02Jun2022

Pesticides

Test ID: T000208935

Methods: TM17

(LC-QQ LC MS/MS)

Dynamic Range (ppb)**Result (ppb)**

Abamectin	282 - 2769	ND
Acephate	45 - 2760	ND
Acetamiprid	41 - 2704	ND
Azoxystrobin	45 - 2664	ND
Bifenazate	42 - 2706	ND
Boscalid	42 - 2610	ND
Carbaryl	39 - 2731	ND
Carbofuran	41 - 2721	ND
Chlorantraniliprole	56 - 2698	ND
Chlorpyrifos	44 - 2764	ND
Clofentezine	242 - 2774	ND
Diazinon	290 - 2707	ND
Dichlorvos	290 - 2695	ND
Dimethoate	45 - 2680	ND
E-Fenpyroximate	284 - 2683	ND
Etofenprox	43 - 2676	ND
Etoxazole	295 - 2684	ND
Fenoxycarb	40 - 2748	ND
Fipronil	45 - 2686	ND
Flonicamid	45 - 2745	ND
Fludioxonil	286 - 2707	ND
Hexythiazox	44 - 2712	ND
Imazalil	270 - 2786	ND
Imidacloprid	43 - 2667	ND
Kresoxim-methyl	55 - 2708	ND

Dynamic Range (ppb)**Result (ppb)**

Malathion	289 - 2734	ND
Metalaxyl	43 - 2734	ND
Methiocarb	48 - 2652	ND
Methomyl	43 - 2725	ND
MGK 264 1	172 - 1655	ND
MGK 264 2	112 - 1138	ND
Myclobutanil	34 - 2694	ND
Naled	32 - 2801	ND
Oxamyl	38 - 2716	ND
Paclobutrazol	42 - 2749	ND
Permethrin	274 - 2733	ND
Phosmet	41 - 2716	ND
Prophos	286 - 2695	ND
Propoxur	41 - 2727	ND
Pyridaben	299 - 2696	ND
Spinosad A	26 - 2240	ND
Spinosad D	48 - 495	ND
Spiromesifen	297 - 2726	ND
Spirotetramat	313 - 2709	ND
Spiroxamine 1	15 - 1143	ND
Spiroxamine 2	23 - 1534	ND
Tebuconazole	264 - 2723	ND
Thiacloprid	45 - 2688	ND
Thiamethoxam	48 - 2712	ND
Trifloxystrobin	45 - 2732	ND

Final ApprovalSam Smith
06Jun2022
02:13:00 PM MDTRyan Weems
06Jun2022
02:16:00 PM MDT

PREPARED BY / DATE

APPROVED BY / DATE

Prepared for:

ASPEN GREEN26 AVONDALE LANE #216B
BEAVER CREEK, CO USA 81620**3000mg Citrus Full Spectrum Hemp Extract**

Batch ID or Lot Number: AG-2206-3C	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 3 of 6
Reported: 06Jun2022	Started: 03Jun2022	Received: 02Jun2022	

**Microbial
Contaminants -
Colorado Compliance**

Test ID: T000208936

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 ApprovalBrett Hudson
05Jun2022
12:27:00 PM MDT

PREPARED BY / DATE

Brianne Maillot
06Jun2022
05:24:00 PM MDT

APPROVED BY / DATE

CERTIFICATE OF ANALYSIS

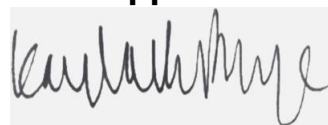
Prepared for:

ASPEN GREEN26 AVONDALE LANE #216B
BEAVER CREEK, CO USA 81620**3000mg Citrus Full Spectrum Hemp Extract**

Batch ID or Lot Number: AG-2206-3C	Test: Heavy Metals	Reported: 07Jun2022	USDA License: NA
Matrix: Unit Co	Test ID: T000208937	Started: 07Jun2022	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 02Jun2022	Status: NA

Heavy Metals

	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.34	ND	
Cadmium	0.05 - 4.52	ND	
Mercury	0.05 - 4.61	ND	
Lead	0.05 - 4.65	ND	

Final Approval

PREPARED BY / DATE

Kayla Phye
07Jun2022
12:43:00 PM MDT

APPROVED BY / DATE

Ryan Weems
07Jun2022
12:50:00 PM MDT<https://results.botanacor.com/api/v1/coas/uuid/86528980-2db2-4d5b-a094-ec863fa35bb1>**Definitions**ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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Cert #4329.02



CDPHE Certified



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Prepared for:

ASPEN GREEN26 AVONDALE LANE #216B
BEAVER CREEK, CO USA 81620**3000mg Citrus Full Spectrum Hemp Extract**

Batch ID or Lot Number: AG-2206-3C	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 2 of 6
Reported: 06Jun2022	Started: 03Jun2022	Received: 02Jun2022	

**Residual Solvents -
Colorado Compliance**

Test ID: T000208938

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	59 - 1181	ND	
Butanes (Isobutane, n-Butane)	123 - 2452	ND	
Methanol	48 - 967	ND	
Pentane	66 - 1319	ND	
Ethanol	74 - 1471	ND	
Acetone	74 - 1486	ND	
Isopropyl Alcohol	78 - 1552	ND	
Hexane	4 - 90	ND	
Ethyl Acetate	76 - 1530	ND	
Benzene	0.2 - 3.3	ND	
Heptanes	76 - 1528	ND	
Toluene	14 - 288	ND	
Xylenes (m,p,o-Xylenes)	106 - 2123	ND	

Final ApprovalSam Smith
06Jun2022
05:00:00 PM MDT

PREPARED BY / DATE



APPROVED BY / DATE

Ryan Weems
06Jun2022
05:03:00 PM MDT

Prepared for:

ASPEN GREEN26 AVONDALE LANE #216B
BEAVER CREEK, CO USA 81620**3000mg Citrus Full Spectrum Hemp Extract**

Batch ID or Lot Number: AG-2206-3C	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 6 of 6
Reported: 06Jun2022	Started: 03Jun2022	Received: 02Jun2022	

**Mycotoxins - Colorado
Compliance**

Test ID: T000208939

Methods: TM18 (UHPLC-QQ)

LCMS/MS: Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.89 - 127.55	ND	N/A
Aflatoxin B1	0.95 - 32.46	ND	
Aflatoxin B2	1.01 - 32.27	ND	
Aflatoxin G1	0.92 - 32.36	ND	
Aflatoxin G2	1.14 - 32.02	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final ApprovalSam Smith
09Jun2022
10:50:00 AM MDTRyan Weems
09Jun2022
10:52:00 AM MDT

PREPARED BY / DATE

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/53026c1b-ea96-470d-8168-f6fb6c5d5248>**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: 10^2 = 100 CFU, 10^3 = 1,000 CFU, 10^4 = 10,000 CFU, 10^5 = 100,000 CFU.

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