

CERTIFICATE OF ANALYSIS

 Prepared for:
ASPEN GREEN

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

3000mg Original Full Spectrum Hemp Extract

Batch ID or Lot Number: AG-2206-30	Test: Potency	Reported: 07Jun2022	USDA License: N/A
Matrix: Unit	Test ID: T000208926	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)	4.685	15.499	97.692	3.44	# of Servings = 1 Sample Weight=28.4g
Cannabichromenic Acid (CBCA)	4.285	14.177	ND	ND	
Cannabidiol (CBD)	14.009	41.416	3220.199	113.39	
Cannabidiolic Acid (CBDA)	14.368	42.478	51.654	1.82	
Cannabidivarin (CBDV)	3.313	9.795	19.369	0.68	
Cannabidivarinic Acid (CBDVA)	5.994	17.720	ND	ND	
Cannabigerol (CBG)	2.660	8.800	42.331	1.49	
Cannabigerolic Acid (CBGA)	11.120	36.788	ND	ND	
Cannabinol (CBN)	3.470	11.480	<LOQ	0.15	
Cannabinolic Acid (CBNA)	7.587	25.099	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	13.248	43.827	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	12.032	39.803	74.518	2.62	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	10.660	35.266	ND	ND	
Tetrahydrocannabivarin (THCV)	2.420	8.004	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	9.403	31.106	ND	ND	
Total Cannabinoids			3509.901	123.59	
Total Potential THC			74.518	2.62	
Total Potential CBD			3265.500	114.98	

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/19eb4855-3df5-439b-8bb8-389b5873be>

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
 19eb48553df5439b8bb8389b5873be.1

Prepared for:
ASPEN GREEN

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

3000mg Original Full Spectrum Hemp Extract

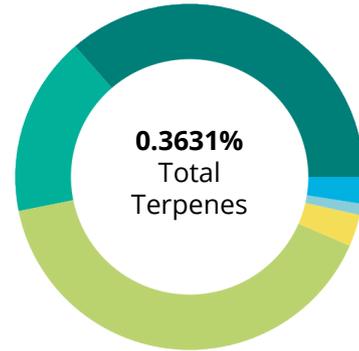
Batch ID or Lot Number: AG-2206-30	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 5 of 6
Reported: 06Jun2022	Started: 03Jun2022	Received: 02Jun2022	

Terpenes

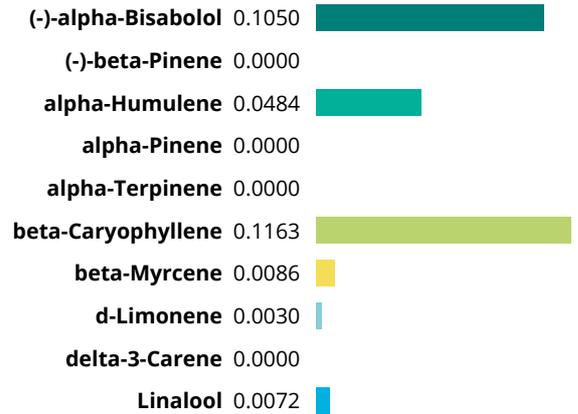
Test ID: T000208927

Methods: TM22 (GC-MS)

	%(w/w)	(mg/g)
(-)-alpha-Bisabolol	0.1050	1.050
(-)-beta-Pinene	0.0000	0.0000
(-)-Caryophyllene Oxide	0.0391	0.391
(-)-Isopulegol	0.0000	0.0000
alpha-Humulene	0.0484	0.484
alpha-Pinene	0.0000	0.0000
alpha-Terpinene	0.0000	0.0000
beta-Caryophyllene	0.1163	1.163
beta-Myrcene	0.0086	0.086
beta-Ocimene	0.0031	0.031
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	0.0024	0.024
gamma-Terpinene	0.0010	0.010
Geraniol	0.0000	0.0000
Linalool	0.0072	0.072
Ocimene	0.0000	0.0000
p-Cymene	0.0000	0.0000
Terpinolene	0.0180	0.180
trans-Nerolidol	0.0110	0.110
Total	0.3631	3.6310



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 GREEN

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

3000mg Original Full Spectrum Hemp Extract

Batch ID or Lot Number: AG-2206-30	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 1 of 6
Reported: 06Jun2022	Started: 03Jun2022	Received: 02Jun2022	

Pesticides

Test ID: T000208928

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	282 - 2769	ND		Malathion	289 - 2734	ND
Acephate	45 - 2760	ND		Metalaxyl	43 - 2734	ND
Acetamiprid	41 - 2704	ND		Methiocarb	48 - 2652	ND
Azoxystrobin	45 - 2664	ND		Methomyl	43 - 2725	ND
Bifenazate	42 - 2706	ND		MGK 264 1	172 - 1655	ND
Boscalid	42 - 2610	ND		MGK 264 2	112 - 1138	ND
Carbaryl	39 - 2731	ND		Myclobutanil	34 - 2694	ND
Carbofuran	41 - 2721	ND		Naled	32 - 2801	ND
Chlorantraniliprole	56 - 2698	ND		Oxamyl	38 - 2716	ND
Chlorpyrifos	44 - 2764	ND		Paclobutrazol	42 - 2749	ND
Clofentezine	242 - 2774	ND		Permethrin	274 - 2733	ND
Diazinon	290 - 2707	ND		Phosmet	41 - 2716	ND
Dichlorvos	290 - 2695	ND		Prophos	286 - 2695	ND
Dimethoate	45 - 2680	ND		Propoxur	41 - 2727	ND
E-Fenpyroximate	284 - 2683	ND		Pyridaben	299 - 2696	ND
Etofenprox	43 - 2676	ND		Spinosad A	26 - 2240	ND
Etoxazole	295 - 2684	ND		Spinosad D	48 - 495	ND
Fenoxycarb	40 - 2748	ND		Spiromesifen	297 - 2726	ND
Fipronil	45 - 2686	ND		Spirotetramat	313 - 2709	ND
Flonicamid	45 - 2745	ND		Spiroxamine 1	15 - 1143	ND
Fludioxonil	286 - 2707	ND		Spiroxamine 2	23 - 1534	ND
Hexythiazox	44 - 2712	ND		Tebuconazole	264 - 2723	ND
Imazalil	270 - 2786	ND		Thiacloprid	45 - 2688	ND
Imidacloprid	43 - 2667	ND		Thiamethoxam	48 - 2712	ND
Kresoxim-methyl	55 - 2708	ND		Trifloxystrobin	45 - 2732	ND

Final Approval


 Sam Smith
 06Jun2022
 02:13:00 PM MDT
 PREPARED BY / DATE


 Ryan Weems
 06Jun2022
 02:16:00 PM MDT
 APPROVED BY / DATE

Prepared for:

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

Batch ID or Lot Number: AG-2206-30	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 2 of 6
Reported: 06Jun2022	Started: 03Jun2022	Received: 02Jun2022	

**Microbial
Contaminants -
Colorado Compliance**

Test ID: T000208929

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 GREEN

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

3000mg Original Full Spectrum Hemp Extract

Batch ID or Lot Number: AG-2206-30	Test: Heavy Metals	Reported: 07Jun2022	USDA License: NA
Matrix: Unit Co	Test ID: T000208930	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



Kayla Phye
07Jun2022
12:43:00 PM MDT

PREPARED BY / DATE



Ryan Weems
07Jun2022
12:50:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/f7297417-cb1a-4ea6-8c6b-76a3550c2532>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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 Original Full Spectrum Hemp Extract**

Batch ID or Lot Number: AG-2206-30	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 3 of 6
Reported: 06Jun2022	Started: 03Jun2022	Received: 02Jun2022	

**Residual Solvents -
Colorado Compliance**

Test ID: T000208931

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	64 - 1290	ND	
Butanes (Isobutane, n-Butane)	134 - 2679	ND	
Methanol	53 - 1056	ND	
Pentane	72 - 1441	ND	
Ethanol	80 - 1607	ND	
Acetone	81 - 1623	ND	
Isopropyl Alcohol	85 - 1696	ND	
Hexane	5 - 98	ND	
Ethyl Acetate	84 - 1671	ND	
Benzene	0.2 - 3.6	ND	
Heptanes	83 - 1669	ND	
Toluene	16 - 315	ND	
Xylenes (m,p,o-Xylenes)	116 - 2319	ND	

Final Approval
Samantha Smith
06Jun2022
05:00:00 PM MDT

PREPARED BY / DATE


Ryan Weems
06Jun2022
05:03:00 PM MDT

APPROVED BY / DATE

Prepared for:

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

Batch ID or Lot Number: AG-2206-30	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 6 of 6
Reported: 06Jun2022	Started: 03Jun2022	Received: 02Jun2022	

Mycotoxins - Colorado Compliance

Test ID: T000208932

Methods: TM18 (UHPLC-QQQ)

LCMS/MS: Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.93 - 128.72	ND	N/A
Aflatoxin B1	0.96 - 32.75	ND	
Aflatoxin B2	1.02 - 32.56	ND	
Aflatoxin G1	0.93 - 32.66	ND	
Aflatoxin G2	1.15 - 32.31	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval
Samantha Smith
09Jun2022
10:50:00 AM MDT
PREPARED BY / DATE
Ryan Weems
09Jun2022
10:52:00 AM MDT
APPROVED BY / DATE<https://results.botanacor.com/api/v1/coas/uuid/5e038592-bf2b-4624-acc5-020cfc7698eb>

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.

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