

Prepared for:

2000mg Full Spectrum Hemp Extract/Active Cannabinoids/CBD Oil Mint

ASPEN GREEN

Batch ID or Lot Number: AG-2110-2M	Test: Potency	Reported: 11/4/21	Location: 26 AVONDALE LANE #216B BEAVER CREEK, CO 81620
Matrix: Unit	Test ID: T000172659	Started: 10/29/21	USDA License: N/A
Status: N/A	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis (Colorado Panel)	Received: 10/29/2021 @ 12:35 PM	Sampler ID: N/A

CANNABINOID PROFILE

Compound	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	4.384	14.584	ND	ND	# of Servings = 1 Sample Weight=28.4g
Delta 9-Tetrahydrocannabinol (Delta 9THC)	4.948	16.460	65.962	2.32	
Cannabidiolic acid (CBDA)	5.518	17.965	16.233*	0.57*	
Cannabidiol (CBD)	5.380	17.516	2081.540	73.29	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	5.448	18.124	ND	ND	
Cannabinolic Acid (CBNA)	3.120	10.379	ND	ND	
Cannabinol (CBN)	1.427	4.748	2.163*	0.08*	
Cannabigerolic acid (CBGA)	4.573	15.213	ND	ND	
Cannabigerol (CBG)	1.094	3.639	30.668	1.08	
Tetrahydrocannabivarinic Acid (THCVA)	3.867	12.863	ND	ND	
Tetrahydrocannabivarin (THCV)	0.995	3.310	ND	ND	
Cannabidivarinic Acid (CBDVA)	2.302	7.494	ND	ND	
Cannabidivarin (CBDV)	1.272	4.143	7.412	0.26	
Cannabichromenic Acid (CBCA)	1.762	5.863	ND	ND	
Cannabichromene (CBC)	1.927	6.410	80.790	2.84	
Total Cannabinoids			2284.768	80.45	
Total Potential THC**			65.962	2.32	
Total Potential CBD**			2095.776	73.79	

 Karen Winternheimer
04-Nov-2021
01:21 PM

 Ryan Weems
4-Nov-21
1:51 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Indicates a value below the Limit of Quantitation (LOQ) and above the Limit of Detection (LOD).

** Total Potential THC/CBD 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)) and

Total CBD = CBD + (CBDa *(0.877))

Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

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

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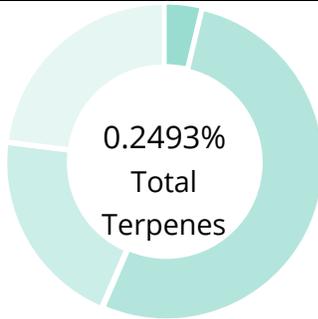
CDPHE Certified



Certificate #4329.02

2000mg Full Spectrum Hemp Extract/Active Cannabinoids/CBD Oil Mint

Batch ID:	AG-2110-2M	Test ID:	T000175158
Type:	Concentrate	Submitted:	11/08/2021 @ 10:45 AM
Test:	Terpenes	Started:	11/11/2021
Method:	TM22 (GC-MS)	Reported:	11/12/2021

TERPENE PROFILE


Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.0494	0.494
Camphene	0.0000	0.000
delta-3-Carene	0.0000	0.000
beta-Caryophyllene	0.1132	1.132
(-)-Caryophyllene Oxide	0.0255	0.255
p-Cymene	0.0000	0.000
Eucalyptol	0.0000	0.000
Geraniol	0.0000	0.000
alpha-Humulene	0.0440	0.440
(-)-Isopulegol	0.0000	0.000
d-Limonene	0.0000	0.000
Linalool	0.0080	0.080
beta-Myrcene	0.0000	0.000
cis-Nerolidol	0.0000	0.000
trans-Nerolidol	0.0092	0.092
Ocimene	0.0000	0.000
beta-Ocimene	0.0000	0.000
alpha-Pinene	0.0000	0.000
(-)-beta-Pinene	0.0000	0.000
alpha-Terpinene	0.0000	0.000
gamma-Terpinene	0.0000	0.000
Terpinolene	0.0000	0.000
Total	0.2493	2.493

PREDOMINANT TERPENES

alpha-Pinene	0.0000
(-)-beta-Pinene	0.0000
beta-Myrcene	0.0000
delta-3-Carene	0.0000
alpha-Terpinene	0.0000
d-Limonene	0.0000
Linalool	0.0080
beta-Caryophyllene	0.1132
alpha-Humulene	0.0440
(-)-alpha-Bisabolol	0.0494

NOTES:

N/A

FINAL APPROVAL

 Jacob Miller
 12-Nov-2021
 3:08 PM


 Daniel Weidensaul
 12-Nov-2021
 3:13 PM

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A2LA Certificate Number 4329.02



Certificate #4329.02

Prepared for:

**2000mg Full Spectrum Hemp Extract/Active
Cannabinoids/CBD Oil Mint**
ASPEN GREEN

Batch ID or Lot Number: AG-2110-2M	Test: Pesticides	Reported: 11/5/21	Location: 26 AVONDALE LANE #216B BEAVER CREEK, CO 81620
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Matrix: Concentrate	Test ID: T000172660	Started: 11/4/21	USDA License: N/A
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Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 10/29/2021 @ 12:35 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	46	ND	Fenoxycarb	44	ND	Paclobutrazol	44	ND
Acetamiprid	40	ND	Fipronil	65	ND	Permethrin	296	ND
Avermectin	324	ND	Flonicamid	52	ND	Phosmet	43	ND
Azoxystrobin	44	ND	Fludioxonil	284	ND	Prophos	277	ND
Bifenazate	42	ND	Hexythiazox	40	ND	Propoxur	43	ND
Boscalid	41	ND	Imazalil	276	ND	Pyridaben	289	ND
Carbaryl	40	ND	Imidacloprid	38	ND	Spinosad A	35	ND
Carbofuran	43	ND	Kresoxim-methyl	150	ND	Spinosad D	54	ND
Chlorantraniliprole	51	ND	Malathion	283	ND	Spiromesifen	282	ND
Chlorpyrifos	500	ND	Metalaxyl	45	ND	Spirotetramat	261	ND
Clofentezine	292	ND	Methiocarb	43	ND	Spiroxamine 1	20	ND
Diazinon	275	ND	Methomyl	41	ND	Spiroxamine 2	24	ND
Dichlorvos	284	ND	MGK 264 1	172	ND	Tebuconazole	293	ND
Dimethoate	41	ND	MGK 264 2	123	ND	Thiacloprid	43	ND
E-Fenpyroximate	267	ND	Myclobutanil	39	ND	Thiamethoxam	42	ND
Etofenprox	42	ND	Naled	49	ND	Trifloxystrobin	44	ND
Etoxazole	300	ND	Oxamyl	1500	ND			


 Sam Smith
 11/5/2021
 11:03:00 AM


 Karen Winterheimer
 11/5/2021
 11:06:00 AM

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Definitions

LOQ = Limit of Quantification
 ppb = Parts per Billion

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Certificate #4329.02

2000mg Full Spectrum Hemp Extract/Active Cannabinoids/CBD Oil Mint

Prepared for:
ASPEN GREEN

Batch ID or Lot Number: AG-2110-2M	Test: Metals	Reported: 11/3/21	Location: 26 AVONDALE LANE #216B BEAVER CREEK, CO 81620
Matrix: Unit Co	Test ID: T000172662	Started: 11/2/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS); Heavy Metals (Colorado Panel)	Received: 10/29/2021 @ 12:35 PM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.043 - 4.32	ND	
Cadmium	0.044 - 4.40	ND	
Mercury	0.042 - 4.24	ND	
Lead	0.043 - 4.32	ND	

 Daniel Weidensaul
3-Nov-21
1:24 PM

PREPARED BY / DATE

 Sam Smith
3-Nov-21
1:26 PM

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Definitions

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

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Prepared for:
ASPEN GREEN
2000mg Full Spectrum Hemp Extract/Active Cannabinoids/CBD Oil Mint

Batch ID or Lot Number: AG-2110-2M	Test: Microbial Contaminants	Reported: 11/7/21	Location: 26 AVONDALE LANE #216B BEAVER CREEK, CO 81620
Matrix: Finished Product	Test ID: T000172661	Started: 11/1/21	USDA License: N/A
Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 10/29/2021 @ 12:35 PM	Sampler ID: N/A

MICROBIAL CONTAMINANTS DETERMINATION

Contaminant	Method	LOD	LLOQ	ULOQ	Result	Notes
Total Aerobic Count*	TM-26, Culture Plating	10 ² CFU/g	10 ³ CFU/g	1.5x10 ⁵ CFU/g	None Detected	Free from visual mold, mildew, and foreign matter
Total Coliforms*	TM-27, Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
Total Yeast and Mold*	TM-24, Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
E. coli (STEC)	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	
Salmonella	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	


 Brett Hudson
 11/7/2021
 9:04:00 AM


 Courtney Richards
 11/7/2021
 10:44:00 AM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

 CFU/g = Colony Forming Units per Gram | STEC = Shiga Toxin-Producing *E. coli*

* 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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Prepared for:
ASPEN GREEN
2000mg Full Spectrum Hemp Extract/Active Cannabinoids/CBD Oil Mint

Batch ID or Lot Number: AG-2110-2M	Test: Residual Solvents	Reported: 11/3/21	Location: 26 AVONDALE LANE #216B BEAVER CREEK, CO 81620
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Matrix: N/A	Test ID: T000172663	Started: 11/2/21	USDA License: N/A
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Status: N/A	Methods: TM04 (GC-MS): Residual Solvents (Colorado Panel)	Received: 10/29/2021 @ 12:35 PM	Sampler ID: N/A
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RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	74 - 1483	*ND	
Butanes (Isobutane, n-Butane)	147 - 2930	*ND	
Methanol	58 - 1168	*ND	
Pentane	83 - 1663	*ND	
Ethanol	87 - 1743	*ND	
Acetone	93 - 1856	*ND	
Isopropyl Alcohol	99 - 1978	*ND	
Hexane	5 - 98	*ND	
Ethyl Acetate	100 - 2003	*ND	
Benzene	0.2 - 3.9	*ND	
Heptanes	91 - 1816	*ND	
Toluene	17 - 333	*ND	
Xylenes (m,p,o-Xylenes)	123 - 2454	*ND	


 Hannah Wright
 3-Nov-21
 1:18 PM


 Ryan Weems
 3-Nov-21
 1:19 PM

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Definitions

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**2000mg Full Spectrum Hemp Extract/Active
Cannabinoids/CBD Oil Mint**

Prepared for:
ASPEN GREEN

Batch ID or Lot Number: AG-2110-2M	Test: Mycotoxins	Reported: 11/3/21	Location: 26 AVONDALE LANE #216B BEAVER CREEK, CO 81620
Matrix: Concentrate	Test ID: T000172664	Started: 11/2/21	USDA License: N/A
Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins (Colorado Panel)	Received: 10/29/2021 @ 12:35 PM	Sampler ID: N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	4.4 - 123.6	ND	N/A
Aflatoxin B1	1.1 - 31.7	ND	
Aflatoxin B2	0.9 - 32.5	ND	
Aflatoxin G1	1.2 - 32.2	ND	
Aflatoxin G2	1.2 - 30.1	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	


 Ryan Weems
 3-Nov-21
 1:10 PM

PREPARED BY / DATE


 Sam Smith
 3-Nov-21
 1:13 PM

APPROVED BY / DATE

Definitions

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