

# CERTIFICATE OF ANALYSIS

Prepared for:  
**Aspen Green**

3700 Quebec St  
Denver, CO USA 80207


**LB-O-60373**

Batch ID or Lot Number: <b>AG-2303-3M</b>	Test: <b>Potency</b>	Reported: <b>07Mar2023</b>	USDA License: N/A
Matrix: Unit	Test ID: T000237515	Started: 07Mar2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	Received: 03Mar2023	Status: Active

## Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	3.997	14.345	102.246	3.60	# of Servings = 1 Sample Weight=28.4g
Cannabichromenic Acid (CBCA)	3.656	13.121	ND	ND	
Cannabidiol (CBD)	15.071	40.871	3028.311	106.63	
Cannabidiolic Acid (CBDA)	15.458	41.919	<LOQ	<LOQ	
Cannabidivarin (CBDV)	3.565	9.666	21.406	0.75	
Cannabidivarinic Acid (CBDVA)	6.448	17.487	ND	ND	
Cannabigerol (CBG)	2.269	8.145	50.073	1.76	
Cannabigerolic Acid (CBGA)	9.486	34.048	ND	ND	
Cannabinol (CBN)	2.960	10.625	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	6.472	23.230	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	11.302	40.563	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	10.264	36.839	79.701	2.81	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	9.094	32.639	ND	ND	
Tetrahydrocannabivarin (THCV)	2.064	7.408	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	8.021	28.789	ND	ND	
<b>Total Cannabinoids</b>			<b>3281.737</b>	<b>115.55</b>	
Total Potential THC			79.701	2.81	
Total Potential CBD			3028.311	106.63	

## Final Approval



Sam Smith  
07Mar2023  
01:32:00 PM MST

PREPARED BY / DATE



Karen Winternheimer  
07Mar2023  
01:35:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/7dd64295-beba-4780-b283-5fe92559ecea>

### 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)).

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Cert #4329.02



CDPHE Certified

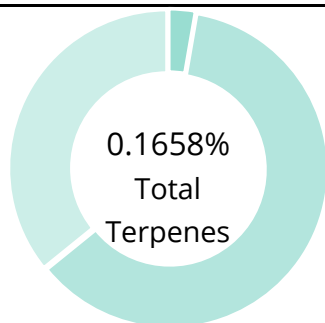


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LB-O-60373

Batch ID:	AG-2303-3M	Test ID:	T000239214
Type:	Concentrate	Submitted:	03/21/2023 @ 11:40 AM
Test:	Terpenes	Started:	3/23/2023
Method:	TM22 (GC-MS)	Reported:	3/24/2023

## TERPENE PROFILE



### 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	0.0040
beta-Caryophyllene	0.0902
alpha-Humulene	0.0526
(-)-alpha-Bisabolol	0.0000


Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.0000	0.000
Camphene	0.0000	0.000
delta-3-Carene	0.0000	0.000
beta-Caryophyllene	0.0902	0.902
(-)-Caryophyllene Oxide	0.0000	0.000
p-Cymene	0.0000	0.000
Eucalyptol	0.0015	0.015
Geraniol	0.0000	0.000
alpha-Humulene	0.0526	0.526
(-)-Isopulegol	0.0000	0.000
d-Limonene	0.0000	0.000
Linalool	0.0040	0.040
beta-Myrcene	0.0000	0.000
cis-Nerolidol	0.0000	0.000
trans-Nerolidol	0.0069	0.069
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	0.0007	0.007
Terpinolene	0.0099	0.099
	<b>0.1658</b>	<b>1.658</b>

### NOTES:

N/A

## FINAL APPROVAL

  
Karen Winternheimer  
24-Mar-2023  
2:39 PM

  
Sam Smith  
24-Mar-2023  
2:41 PM

PREPARED BY / DATE

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to SC Laboratories, Inc. SC Laboratories, Inc 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. All decision rulings are in accordance with the MED and results uploaded to METRC. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited A2LA Certificate Number 4329.01



Certificate #4329.02

Prepared for:

**LB-O-60373**

**Aspen Green**


Batch ID or Lot Number: <b>AG-2303-3M</b>	Test: <b>Pesticides</b>	Reported: <b>3/17/23</b>	Location: 3700 Quebec St STE 100-110 Denver, CO 80207
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Matrix: Concentrate	Test ID: t000238504	Started: 3/15/23	USDA License: N/A
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Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 03/14/2023 @ 11:02 AM	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	43	ND	Fenoxycarb	45	ND	Paclobutrazol	43	ND
Acetamiprid	42	ND	Fipronil	50	ND	Permethrin	273	ND
Abamectin	347	ND	Flonicamid	54	ND	Phosmet	41	ND
Azoxystrobin	45	ND	Fludioxonil	321	ND	Prophos	306	ND
Bifenazate	47	ND	Hexythiazox	42	ND	Propoxur	44	ND
Boscalid	40	ND	Imazalil	293	ND	Pyridaben	298	ND
Carbaryl	43	ND	Imidacloprid	47	ND	Spinosad A	34	ND
Carbofuran	43	ND	Kresoxim-methyl	150	ND	Spinosad D	51	ND
Chlorantraniliprole	44	ND	Malathion	302	ND	Spiromesifen	287	ND
Chlorpyrifos	500	ND	Metalaxyl	47	ND	Spirotetramat	273	ND
Clofentezine	279	ND	Methiocarb	44	ND	Spiroxamine 1	18	ND
Diazinon	281	ND	Methomyl	41	ND	Spiroxamine 2	25	ND
Dichlorvos	242	ND	MGK 264 1	168	ND	Tebuconazole	295	ND
Dimethoate	43	ND	MGK 264 2	119	ND	Thiacloprid	42	ND
E-Fenpyroximate	285	ND	Myclobutanil	51	ND	Thiamethoxam	43	ND
Etofenprox	45	ND	Naled	48	ND	Trifloxystrobin	44	ND
Etoxazole	296	ND	Oxamyl	1500	ND			

 Karen Winternheimer  
3/17/2023  
7:43:00 AM

PREPARED BY / DATE

 Sam Smith  
3/17/2023  
7:45:00 AM

APPROVED BY / DATE

### Definitions

LOQ = Limit of Quantification  
ppb = Parts per Billion

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Certificate #4329.02

# CERTIFICATE OF ANALYSIS

Prepared for:  
**Aspen Green**

3700 Quebec St  
Denver, CO USA 80207

**LB-O-60373**

Batch ID or Lot Number: <b>AG-2303-3M</b>	Test: <b>Microbial Contaminants</b>	Reported: <b>17Mar2023</b>	USDA License: N/A
Matrix: Finished Product	Test ID: T000238505	Started: 14Mar2023	Sampler ID: N/A
	Method(s): TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)	Received: 14Mar2023	Status: Active

## Microbial

### Contaminants

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

## Final Approval



Brett Hudson  
17Mar2023  
03:01:00 PM MDT

PREPARED BY / DATE



Brianne Maillot  
17Mar2023  
03:50:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/4f5d658f-a5e3-4db7-ab22-fac852091d4>

### Definitions

\* 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<sup>2</sup> = 100 CFU, 10<sup>3</sup> = 1,000 CFU, 10<sup>4</sup> = 10,000 CFU, 10<sup>5</sup> = 100,000 CFU  
CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection  
ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation  
STEC = Shiga Toxin-Producing E. coli

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# CERTIFICATE OF ANALYSIS

Prepared for:

**Aspen Green**

3700 Quebec St  
Denver, CO USA 80207


**LB-O-60373**

Batch ID or Lot Number: <b>AG-2303-3M</b>	Test: <b>Heavy Metals</b>	Reported: <b>20Mar2023</b>	USDA License: NA
Matrix: Unit Co	Test ID: T000238506	Started: 17Mar2023	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 14Mar2023	Status: NA

## Heavy Metals

	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.42	ND	
Cadmium	0.04 - 4.40	ND	
Mercury	0.04 - 4.47	ND	
Lead	0.04 - 4.39	ND	

## Final Approval



Sam Smith  
20Mar2023  
07:29:00 AM MDT

PREPARED BY / DATE



Karen Winternheimer  
20Mar2023  
07:36:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/6e717957-a538-41eb-b866-b096a49eec5e>

### 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:

**LB-O-60373**

**Aspen Green**


Batch ID or Lot Number: <b>AG-2303-3M</b>	Test: <b>Residual Solvents</b>	Reported: <b>3/15/23</b>	Location: 3700 Quebec St STE 100-110 Denver, CO 80207
Matrix: N/A	Test ID: T000238507	Started: 3/15/23	USDA License: N/A
Status: Active	Methods: TM04 (GC-MS): Residual Solvents	Received: 03/14/2023 @ 11:02 AM	Sampler ID: N/A

## RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	97 - 1949	*ND	
Butanes (Isobutane, n-Butane)	202 - 4037	*ND	
Methanol	60 - 1205	*ND	
Pentane	101 - 2019	*ND	
Ethanol	104 - 2071	*ND	
Acetone	100 - 2003	*ND	
Isopropyl Alcohol	106 - 2125	*ND	
Hexane	6 - 122	*ND	
Ethyl Acetate	102 - 2036	*ND	
Benzene	0.2 - 4.1	*ND	
Heptanes	100 - 2009	*ND	
Toluene	18 - 352	*ND	
Xylenes (m,p,o-Xylenes)	134 - 2675	*ND	

 Karen Winternheimer  
15-Mar-23  
3:58 PM

PREPARED BY / DATE

 Sam Smith  
15-Mar-23  
4:00 PM

APPROVED BY / DATE

### Definitions

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

Testing results are based solely upon the sample submitted to SC Laboratories, Inc. SC Laboratories, Inc 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. All decision rulings are in accordance with the MED and results uploaded to METRC. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited A2LA Certificate Number 4329.01



Certificate #4329.02

Prepared for:

**LB-O-60373**

**Aspen Green**

Batch ID or Lot Number: <b>AG-2303-3M</b>	Test: <b>Mycotoxins</b>	Reported: <b>3/16/23</b>	Location: 3700 Quebec St STE 100-110 Denver, CO 80207
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Matrix: Concentrate	Test ID: T000238508	Started: 3/15/23	USDA License: N/A
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Status: Active	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	Received: 03/14/2023 @ 11:02 AM	Sampler ID: N/A
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## MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3 - 138.2	ND	N/A
Aflatoxin B1	1 - 34	ND	
Aflatoxin B2	1.1 - 34	ND	
Aflatoxin G1	1 - 33.9	ND	
Aflatoxin G2	1.2 - 34.2	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	



Sam Smith  
16-Mar-23  
7:42 AM

PREPARED BY / DATE



Karen Winterheimer  
16-Mar-23  
7:51 AM

APPROVED BY / DATE

## Definitions

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

Testing results are based solely upon the sample submitted to SC Laboratories, Inc. SC Laboratories, Inc 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. All decision rulings are in accordance with the MED and results uploaded to METRC. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited A2LA Certificate Number 4329.01



Certificate #4329.02