

# CERTIFICATE OF ANALYSIS

Prepared for:  
**Aspen Green**

3700 Quebec St  
Denver, CO USA 80207


**LB-O-60372**

Batch ID or Lot Number: <b>AG-2303-2M</b>	Test: <b>Potency</b>	Reported: <b>09Mar2023</b>	USDA License: N/A
Matrix: Unit	Test ID: T000237489	Started: 08Mar2023	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)	2.040	5.943	75.194	2.65	# of Servings = 1 Sample Weight=28.4g
Cannabichromenic Acid (CBCA)	1.865	5.436	ND	ND	
Cannabidiol (CBD)	5.831	16.783	2146.134	75.57	
Cannabidiolic Acid (CBDA)	5.980	17.213	59.219	2.09	
Cannabidivarin (CBDV)	1.379	3.969	4.212	0.15	
Cannabidivarinic Acid (CBDVA)	2.495	7.181	ND	ND	
Cannabigerol (CBG)	1.158	3.375	ND	ND	
Cannabigerolic Acid (CBGA)	4.841	14.107	ND	ND	
Cannabinol (CBN)	1.511	4.402	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	3.303	9.625	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	5.767	16.806	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	5.238	15.263	81.303	2.86	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	4.640	13.523	ND	ND	
Tetrahydrocannabivarin (THCV)	1.053	3.069	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	4.093	11.928	ND	ND	
<b>Total Cannabinoids</b>			<b>2366.062</b>	<b>83.32</b>	
Total Potential THC			81.303	2.86	
Total Potential CBD			2198.069	77.40	

## Final Approval



Karen Winternheimer  
09Mar2023  
12:05:00 PM MST

PREPARED BY / DATE



Sam Smith  
09Mar2023  
12:07:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/52f292db-373c-4e4a-8632-83ace8a87706>

### 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 SC Laboratories, Inc., in the condition it was received. 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. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA.



Cert #4329.02

CDPHE Certified

52f292db373c4e4a863283ace8a87706.1

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**Aspen Green**

3700 Quebec St  
Denver, CO USA 80207

**LB-O-60372**


Batch ID or Lot Number: <b>AG-2303-2M</b>	Test: <b>Pesticides</b>	Reported: <b>08Mar2023</b>	USDA License: NA
Matrix: Concentrate	Test ID: T000237490	Started: 07Mar2023	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 03Mar2023	Status: NA

## Pesticides

Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	274 - 2735	ND
Acephate	42 - 2843	ND
Acetamiprid	43 - 2741	ND
Azoxystrobin	46 - 2739	ND
Bifenazate	40 - 2717	ND
Boscalid	41 - 2786	ND
Carbaryl	40 - 2732	ND
Carbofuran	43 - 2708	ND
Chlorantraniliprole	45 - 2756	ND
Chlorpyrifos	47 - 2688	ND
Clofentezine	284 - 2721	ND
Diazinon	271 - 2740	ND
Dichlorvos	276 - 2772	ND
Dimethoate	41 - 2741	ND
E-Fenpyroximate	295 - 2714	ND
Etofenprox	38 - 2762	ND
Etoxazole	292 - 2691	ND
Fenoxycarb	47 - 2745	ND
Fipronil	56 - 2744	ND
Flonicamid	45 - 2756	ND
Fludioxonil	320 - 2783	ND
Hexythiazox	47 - 2702	ND
Imazalil	271 - 2769	ND
Imidacloprid	44 - 2726	ND
Kresoxim-methyl	42 - 2760	ND

Pesticides	Dynamic Range (ppb)	Result (ppb)
Malathion	291 - 2753	ND
Metalaxyl	42 - 2734	ND
Methiocarb	42 - 2774	ND
Methomyl	39 - 2755	ND
MGK 264 1	165 - 1610	ND
MGK 264 2	114 - 1142	ND
Myclobutanil	34 - 2832	ND
Naled	48 - 2780	ND
Oxamyl	40 - 2760	ND
Paclobutrazol	46 - 2691	ND
Permethrin	284 - 2754	ND
Phosmet	38 - 2721	ND
Prophos	291 - 2792	ND
Propoxur	42 - 2716	ND
Pyridaben	295 - 2740	ND
Spinosad A	34 - 2233	ND
Spinosad D	47 - 490	ND
Spiromesifen	267 - 2738	ND
Spirotetramat	285 - 2753	ND
Spiroxamine 1	18 - 1195	ND
Spiroxamine 2	24 - 1567	ND
Tebuconazole	289 - 2722	ND
Thiacloprid	41 - 2735	ND
Thiamethoxam	40 - 2743	ND
Trifloxystrobin	44 - 2743	ND

## Final Approval



Sam Smith  
08Mar2023  
08:24:00 AM MST

PREPARED BY / DATE



Karen Winternheimer  
08Mar2023  
08:29:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/03be7b8c-3732-4b93-8c24-bdcae079d75e>

### Definitions

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

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. 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. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA.



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3700 Quebec St  
Denver, CO USA 80207


**LB-O-60372**

Batch ID or Lot Number: <b>AG-2303-2M</b>	Test: <b>Heavy Metals</b>	Reported: <b>09Mar2023</b>	USDA License: NA
Matrix: Unit Co	Test ID: T000237492	Started: 08Mar2023	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 03Mar2023	Status: NA

## Heavy Metals

	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.21	ND	
Cadmium	0.04 - 4.38	ND	
Mercury	0.04 - 4.37	ND	
Lead	0.04 - 4.42	ND	

## Final Approval



Sam Smith  
09Mar2023  
09:56:00 AM MST

PREPARED BY / DATE



Karen Winternheimer  
09Mar2023  
10:09:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/cad77cbe-227c-4444-b635-0dab868d6c82>

### 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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**Aspen Green**

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Denver, CO USA 80207

**LB-O-60372**

Batch ID or Lot Number: <b>AG-2303-2M</b>	Test: <b>Microbial Contaminants</b>	Reported: <b>09Mar2023</b>	USDA License: N/A
Matrix: Finished Product	Test ID: T000237491	Started: 02Mar2023	Sampler ID: N/A
	Method(s): TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)	Received: 03Mar2023	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  
09Mar2023  
03:48:00 PM MST

PREPARED BY / DATE



Eden Thompson-Wright  
09Mar2023  
04:15:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/ae1e617c-61c4-481f-9bf3-7c2a7014590e>

### 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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Denver, CO USA 80207

**LB-O-60372**

Batch ID or Lot Number: <b>AG-2303-2M</b>	Test: <b>Residual Solvents</b>	Reported: <b>09Mar2023</b>	USDA License: N/A
Matrix: Concentrate	Test ID: T000237493	Started: 08Mar2023	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 03Mar2023	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	96 - 1923	ND	
Butanes (Isobutane, n-Butane)	199 - 3979	ND	
Methanol	59 - 1177	ND	
Pentane	98 - 1963	ND	
Ethanol	100 - 2010	ND	
Acetone	98 - 1957	ND	
Isopropyl Alcohol	100 - 2005	ND	
Hexane	6 - 117	ND	
Ethyl Acetate	97 - 1939	ND	
Benzene	0.2 - 3.8	ND	
Heptanes	96 - 1922	ND	
Toluene	18 - 350	ND	
Xylenes (m,p,o-Xylenes)	127 - 2545	ND	

## Final Approval



Karen Winternheimer  
09Mar2023  
12:38:00 PM MST

PREPARED BY / DATE



Sam Smith  
09Mar2023  
12:40:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/81196660-f9ab-41bd-b3c9-886978eb935b>

### Definitions

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Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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Denver, CO USA 80207

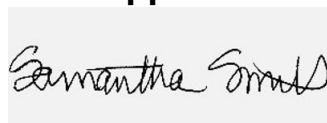
**LB-O-60372**

Batch ID or Lot Number: <b>AG-2303-2M</b>	Test: <b>Mycotoxins</b>	Reported: <b>09Mar2023</b>	USDA License: N/A
Matrix: Concentrate	Test ID: T000237494	Started: 08Mar2023	Sampler ID: N/A
	Method(s): TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	Received: 03Mar2023	Status: Active

## Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.26 - 132.74	ND	N/A
Aflatoxin B1	0.95 - 32.98	ND	
Aflatoxin B2	0.92 - 32.66	ND	
Aflatoxin G1	0.92 - 33.33	ND	
Aflatoxin G2	2.13 - 33.17	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

## Final Approval



Sam Smith  
09Mar2023  
07:45:00 AM MST

PREPARED BY / DATE



Karen Winternheimer  
09Mar2023  
07:48:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/a1d55749-6ae4-4b70-9eb2-7f47db35f3cf>

### Definitions

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