

Prepared for:  
**Aspen Green**

3700 Quebec St  
Denver, CO USA 80207

## LB-O-60547

Batch ID or Lot Number: <b>AG-2404-RTB</b>	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 7
Reported: <b>15Apr2024</b>	Started: 12Apr2024	Received: 11Apr2024	

## Microbial Contaminants - Colorado Compliance

Test ID: T000277238  
Methods: TM25 (qPCR) TM24, TM26,  
TM27 (Culture Plating): Microbial  
(Colorado Panel)

	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  
15Apr2024  
04:40:00 PM MDT

PREPARED BY / DATE



Brianne Maillot  
16Apr2024  
06:04:00 PM MDT

APPROVED BY / DATE

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## Pesticides

Test ID: T000277237

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	331 - 2717	ND		Malathion	280 - 2768	ND
Acephate	43 - 2748	ND		Metalaxyl	40 - 2783	ND
Acetamiprid	38 - 2715	ND		Methiocarb	40 - 2784	ND
Azoxystrobin	46 - 2786	ND		Methomyl	40 - 2746	ND
Bifenazate	40 - 2781	ND		MGK 264 1	164 - 1619	ND
Boscalid	46 - 2784	ND		MGK 264 2	106 - 1080	ND
Carbaryl	38 - 2690	ND		Myclobutanil	35 - 2730	ND
Carbofuran	41 - 2691	ND		Naled	48 - 2653	ND
Chlorantraniliprole	47 - 2782	ND		Oxamyl	40 - 2770	ND
Chlorpyrifos	53 - 2669	ND		Paclobutrazol	43 - 2666	ND
Clofentezine	288 - 2722	ND		Permethrin	292 - 2753	ND
Diazinon	290 - 2777	ND		Phosmet	41 - 2632	ND
Dichlorvos	270 - 2736	ND		Prophos	299 - 2777	ND
Dimethoate	39 - 2708	ND		Propoxur	42 - 2704	ND
E-Fenpyroximate	298 - 2760	ND		Pyridaben	314 - 2775	ND
Etofenprox	42 - 2715	ND		Spinosad A	32 - 2090	ND
Etoxazole	302 - 2657	ND		Spinosad D	68 - 670	ND
Fenoxycarb	39 - 2773	ND		Spiromesifen	287 - 2722	ND
Fipronil	40 - 2735	ND		Spirotetramat	295 - 2839	ND
Flonicamid	45 - 2735	ND		Spiroxamine 1	14 - 1067	ND
Fludioxonil	278 - 2757	ND		Spiroxamine 2	23 - 1614	ND
Hexythiazox	38 - 2756	ND		Tebuconazole	300 - 2775	ND
Imazalil	266 - 2815	ND		Thiacloprid	41 - 2721	ND
Imidacloprid	37 - 2768	ND		Thiamethoxam	40 - 2764	ND
Kresoxim-methyl	42 - 2791	ND		Trifloxystrobin	42 - 2704	ND

## Final Approval

  
Karen Winternheimer  
17Apr2024  
10:29:00 AM MDT  
PREPARED BY / DATE

  
Phillip Travisano  
17Apr2024  
10:31:00 AM MDT  
APPROVED BY / DATE

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Reported: <b>15Apr2024</b>	Started: 12Apr2024	Received: 11Apr2024	


## Residual Solvents - Colorado Compliance

Test ID: T000277240

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	87 - 1730	ND	
Butanes (Isobutane, n-Butane)	158 - 3156	ND	
Methanol	61 - 1218	ND	
Pentane	91 - 1823	ND	
Ethanol	92 - 1831	ND	
Acetone	100 - 2008	ND	
Isopropyl Alcohol	98 - 1953	ND	
Hexane	6 - 128	ND	
Ethyl Acetate	102 - 2041	ND	
Benzene	0.2 - 4.1	ND	
Heptanes	98 - 1960	ND	
Toluene	17 - 342	ND	
Xylenes (m,p,o-Xylenes)	115 - 2301	ND	

### Final Approval

 Karen Winternheimer  
16Apr2024  
08:46:00 AM MDT

PREPARED BY / DATE

 Phillip Travisano  
16Apr2024  
08:48:00 AM MDT

APPROVED BY / DATE

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Reported: <b>15Apr2024</b>	Started: 12Apr2024	Received: 11Apr2024	

## Cannabinoids - Colorado Compliance

Test ID: T000277235  
Methods: TM14 (HPLC-DAD): Potency – Standard

Cannabinoid Analysis	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	4.982	16.080	105.047	3.70	# of Servings = 1 Sample Weight=28.4g
Cannabichromenic Acid (CBCA)	4.557	14.708	ND	ND	
Cannabidiol (CBD)	14.384	41.100	4110.672	144.74	
Cannabidiolic Acid (CBDA)	14.753	42.154	<LOQ	<LOQ	
Cannabidivarin (CBDV)	3.402	9.720	25.637	0.90	
Cannabidivarinic Acid (CBDVA)	6.154	17.585	ND	ND	
Cannabigerol (CBG)	2.829	9.130	45.706	1.61	
Cannabigerolic Acid (CBGA)	11.826	38.167	ND	ND	
Cannabinol (CBN)	3.691	11.911	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	8.068	26.040	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	14.089	45.470	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	12.795	41.295	80.060	2.82	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	11.337	36.588	ND	ND	
Tetrahydrocannabivarin (THCV)	2.573	8.304	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	9.999	32.272	ND	ND	
<b>Total Cannabinoids</b>			<b>4367.122</b>	<b>153.77</b>	
Total Potential THC			80.060	2.82	
Total Potential CBD			4110.672	144.74	

### Final Approval

  
Karen Winternheimer  
17Apr2024  
01:41:00 PM MDT  
PREPARED BY / DATE

  
Phillip Travisano  
17Apr2024  
01:43:00 PM MDT  
APPROVED BY / DATE


## Heavy Metals - Colorado Compliance

Test ID: T000277239  
Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.95	ND	
Cadmium	0.05 - 4.70	ND	
Mercury	0.05 - 4.76	ND	
Lead	0.05 - 4.83	ND	

### Final Approval

  
Phillip Travisano  
18Apr2024  
03:42:00 PM MDT  
PREPARED BY / DATE

  
Karen Winternheimer  
18Apr2024  
04:22:00 PM MDT  
APPROVED BY / DATE

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## Mycotoxins - Colorado Compliance

Test ID: T000277241

Methods: TM18 (UHPLC-QQQ)

LCMS/MS: Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.22 - 130.45	ND	N/A
Aflatoxin B1	1.05 - 32.43	ND	
Aflatoxin B2	1.02 - 32.72	ND	
Aflatoxin G1	1.02 - 32.88	ND	
Aflatoxin G2	0.98 - 33.07	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

### Final Approval



Karen Winternheimer  
19Apr2024  
09:21:00 AM MDT

PREPARED BY / DATE



Phillip Travisano  
19Apr2024  
09:22:00 AM MDT

APPROVED BY / DATE

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## LB-O-60547

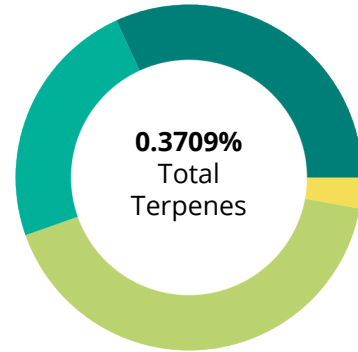
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Reported: <b>15Apr2024</b>	Started: 12Apr2024	Received: 11Apr2024	

## Terpenes

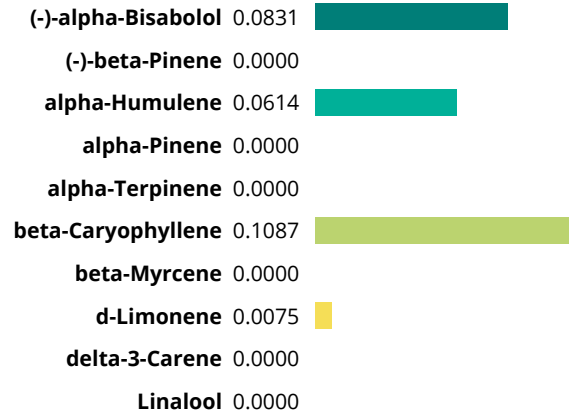
Test ID: T000277236

Methods: TM22 (GC-MS)

	%(w/w)	(mg/g)
(-)-alpha-Bisabolol	0.0831	0.831
(-)-beta-Pinene	0.0000	0.0000
(-)-Caryophyllene Oxide	0.0862	0.862
(-)-Isopulegol	0.0000	0.0000
alpha-Humulene	0.0614	0.614
alpha-Pinene	0.0000	0.0000
alpha-Terpinene	0.0000	0.0000
beta-Caryophyllene	0.1087	1.087
beta-Myrcene	0.0000	0.0000
beta-Ocimene	0.0000	0.0000
Camphene	0.0000	0.0000
cis-Nerolidol	0.0000	0.0000
d-Limonene	0.0075	0.075
delta-3-Carene	0.0000	0.0000
Eucalyptol	0.0000	0.0000
gamma-Terpinene	0.0000	0.0000
Geraniol	0.0000	0.0000
Linalool	0.0000	0.0000
Ocimene	0.0000	0.0000
p-Cymene	0.0000	0.0000
Terpinolene	0.0000	0.0000
trans-Nerolidol	0.0240	0.240
<b>Total</b>	<b>0.3709</b>	<b>3.7090</b>




### PREDOMINANT TERPENES



### Notes

### Final Approval

  
Karen Winternheimer  
24Apr2024  
02:15:00 PM MDT  
PREPARED BY / DATE

  
Phillip Travisano  
24Apr2024  
02:18:00 PM MDT  
APPROVED BY / DATE

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<https://results.botanacor.com/api/v1/coas/uuid/12bc8273-2ed2-49ac-b93d-147c2e031831>

**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<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.

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 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit [A2LA for more details](#).



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