

Prepared for:

ASPEN GREEN

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

Calm Lemon Organic Gummies

Batch ID or Lot Number: AGK-2309-CLG	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 7
Reported: 05Sep2023	Started: 31Aug2023	Received: 31Aug2023	

Microbial Contaminants - Colorado Compliance

Test ID: T000254576

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	<LLOQ	
Total Coliforms*	TM27: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	

Final Approval



Brett Hudson
04Sep2023
01:47:00 PM MDT

PREPARED BY / DATE



Brianne Maillot
05Sep2023
10:17:00 AM MDT

APPROVED BY / DATE

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Cannabinoids - Colorado Compliance

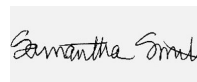
Test ID: T000254573

Methods: TM14 (HPLC-DAD): Potency – Standard

Cannabinoid Analysis	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.011	0.026	0.041	0.41	
Cannabichromenic Acid (CBCA)	0.010	0.024	ND	ND	
Cannabidiol (CBD)	0.030	0.070	0.699	6.99	
Cannabidiolic Acid (CBDA)	0.031	0.072	ND	ND	
Cannabidivarin (CBDV)	0.007	0.017	0.193	1.93	
Cannabidivarinic Acid (CBDVA)	0.013	0.030	ND	ND	
Cannabigerol (CBG)	0.006	0.015	0.026	0.26	
Cannabigerolic Acid (CBGA)	0.025	0.062	ND	ND	
Cannabinol (CBN)	0.008	0.019	ND	ND	
Cannabinolic Acid (CBNA)	0.017	0.042	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.030	0.073	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.027	0.067	<LOQ	<LOQ	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.024	0.059	ND	ND	
Tetrahydrocannabivarin (THCV)	0.006	0.013	<LOQ	<LOQ	
Tetrahydrocannabivarinic Acid (THCVA)	0.021	0.052	ND	ND	
Total Cannabinoids			0.959	9.59	
Total Potential THC			<LOQ	<LOQ	
Total Potential CBD			0.699	6.99	

Final Approval


 Karen Winternheimer
 05Sep2023
 11:39:00 AM MDT
 PREPARED BY / DATE


 Sam Smith
 05Sep2023
 11:40:00 AM MDT
 APPROVED BY / DATE

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Residual Solvents - Colorado Compliance

Test ID: T000254578

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	89 - 1771	ND	
Butanes (Isobutane, n-Butane)	179 - 3590	ND	
Methanol	56 - 1125	ND	
Pentane	90 - 1808	ND	
Ethanol	89 - 1778	ND	
Acetone	92 - 1837	ND	
Isopropyl Alcohol	94 - 1886	ND	
Hexane	6 - 110	ND	
Ethyl Acetate	92 - 1849	ND	
Benzene	0.2 - 3.6	ND	
Heptanes	93 - 1865	ND	
Toluene	17 - 336	ND	
Xylenes (m,p,o-Xylenes)	125 - 2502	ND	

Final Approval



Karen Winternheimer
05Sep2023
03:04:00 PM MDT

PREPARED BY / DATE



Sam Smith
05Sep2023
03:06:00 PM MDT

APPROVED BY / DATE

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Heavy Metals - Colorado Compliance


Test ID: T000254577

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.66	ND	
Cadmium	0.05 - 4.85	ND	
Mercury	0.05 - 4.80	ND	
Lead	0.05 - 4.73	ND	

Final Approval


PREPARED BY / DATE
Sam Smith
05Sep2023
04:02:00 PM MDT


APPROVED BY / DATE
Karen Winternheimer
05Sep2023
04:05:00 PM MDT

Prepared for:

ASPEN GREEN

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Pesticides


Test ID: T000254575

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	419 - 2744	ND		Malathion	294 - 2709	ND
Acephate	44 - 2757	ND		Metalaxyl	42 - 2719	ND
Acetamiprid	41 - 2752	ND		Methiocarb	43 - 2687	ND
Azoxystrobin	48 - 2701	ND		Methomyl	41 - 2778	ND
Bifenazate	44 - 2732	ND		MGK 264 1	170 - 1674	ND
Boscalid	39 - 2669	ND		MGK 264 2	109 - 1077	ND
Carbaryl	42 - 2729	ND		Myclobutanil	41 - 2563	ND
Carbofuran	43 - 2709	ND		Naled	40 - 2752	ND
Chlorantraniliprole	44 - 2684	ND		Oxamyl	41 - 2784	ND
Chlorpyrifos	44 - 2780	ND		Paclobutrazol	44 - 2727	ND
Clofentezine	279 - 2751	ND		Permethrin	274 - 2728	ND
Diazinon	288 - 2747	ND		Phosmet	44 - 2714	ND
Dichlorvos	276 - 2790	ND		Prophos	303 - 2652	ND
Dimethoate	42 - 2751	ND		Propoxur	44 - 2720	ND
E-Fenpyroximate	298 - 2805	ND		Pyridaben	299 - 2785	ND
Etofenprox	44 - 2754	ND		Spinosad A	31 - 2097	ND
Etoxazole	306 - 2771	ND		Spinosad D	66 - 682	ND
Fenoxycarb	28 - 2741	ND		Spiromesifen	294 - 2758	ND
Fipronil	54 - 2679	ND		Spirotetramat	276 - 2734	ND
Flonicamid	46 - 2810	ND		Spiroxamine 1	18 - 1178	ND
Fludioxonil	275 - 2643	ND		Spiroxamine 2	23 - 1491	ND
Hexythiazox	43 - 2787	ND		Tebuconazole	291 - 2783	ND
Imazalil	282 - 2751	ND		Thiacloprid	42 - 2731	ND
Imidacloprid	42 - 2806	ND		Thiamethoxam	41 - 2792	ND
Kresoxim-methyl	46 - 2755	ND		Trifloxystrobin	44 - 2700	ND

Final Approval


 Karen Winternheimer
 07Sep2023
 09:17:00 AM MDT
 PREPARED BY / DATE


 Sam Smith
 07Sep2023
 09:19:00 AM MDT
 APPROVED BY / DATE

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Reported: 05Sep2023	Started: 31Aug2023	Received: 31Aug2023	

Terpenes

Test ID: T000254574

Methods: TM22 (GC-MS)

	%(w/w)	(mg/g)
(-)-alpha-Bisabolol	0.0000	0.0000
(-)-beta-Pinene	0.0000	0.0000
(-)-Caryophyllene Oxide	0.0000	0.0000
(-)-Isopulegol	0.0000	0.0000
alpha-Humulene	0.0000	0.0000
alpha-Pinene	0.0000	0.0000
alpha-Terpinene	0.0000	0.0000
beta-Caryophyllene	0.0000	0.0000
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	0.0000	0.0000
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	0.0000	0.0000
	0.0000	0.0000


0.0000%
Total
Terpenes

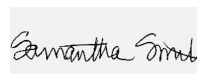
PREDOMINANT TERPENES

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

Notes

Final Approval


Karen Winternheimer
12Sep2023
10:22:00 AM MDT
PREPARED BY / DATE


Sam Smith
12Sep2023
10:26:00 AM MDT
APPROVED BY / DATE

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Mycotoxins - Colorado Compliance

Test ID: T000254579
Methods: TM18 (UHPLC-QQQ)

LCMS/MS: Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.35 - 126.16	ND	N/A
Aflatoxin B1	1.09 - 33.22	ND	
Aflatoxin B2	1.06 - 32.99	ND	
Aflatoxin G1	1.09 - 33.25	ND	
Aflatoxin G2	1.29 - 33.78	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval


Samantha Simola
12Sep2023
06:21:00 AM MDT
PREPARED BY / DATE


Karen Winternheimer
12Sep2023
06:22:00 AM MDT
APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/1232a692-4ca5-4806-8433-0dc048d879ec>

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.

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. 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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