

Prepared for:
Aspen Green

26 Avondale Lane
Beaver Creek, CO United States 81620

Calm-Lemon Gummies

Batch ID or Lot Number: AG-2410-CLG	Test: Potency	Reported: 10Oct2024	USDA License: N/A
Matrix: Unit	Test ID: T000291455	Started: 09Oct2024	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD): Potency - Broad Spectrum Analysis, 0.01% THC	Received: 09Oct2024	Status: Active

Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.348	1.327	1.939	0.39	# of Servings = 1 Sample Weight=5g
Cannabichromenic Acid (CBCA)	0.318	1.214	ND	ND	
Cannabidiol (CBD)	1.252	3.381	23.509	4.70	
Cannabidiolic Acid (CBDA)	1.285	3.467	ND	ND	
Cannabidivarin (CBDV)	0.296	0.800	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.536	1.446	ND	ND	
Cannabigerol (CBG)	0.198	0.753	0.977	0.20	
Cannabigerolic Acid (CBGA)	0.826	3.149	ND	ND	
Cannabinol (CBN)	0.258	0.983	ND	ND	
Cannabinolic Acid (CBNA)	0.563	2.149	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.984	3.752	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.149	0.568	1.808	0.36	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.132	0.503	ND	ND	
Tetrahydrocannabivarin (THCV)	0.180	0.685	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.698	2.663	ND	ND	
Total Cannabinoids			28.233	5.65	
Total Potential THC			1.808	0.36	
Total Potential CBD			23.509	4.70	

Final Approval


PREPARED BY / DATE
Sam Smith
10Oct2024
02:23:00 PM MDT


APPROVED BY / DATE
Karen Winternheimer
10Oct2024
02:24:00 PM MDT



<https://results.botanacor.com/api/v1/coas/uuid/2085848d-b49b-4fe2-9c21-b9df488d1a86>

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 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.



Cert #4329.02
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26 Avondale Lane
Beaver Creek, CO United States 81620

Calm-Lemon Gummies

Batch ID or Lot Number: AG-2410-CLG	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 6
Reported: 16Oct2024	Started: 16Oct2024	Received: 14Oct2024	

Heavy Metals - Colorado Compliance

Test ID: T000291733
Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.44	ND	
Cadmium	0.05 - 4.51	ND	
Mercury	0.05 - 4.50	ND	
Lead	0.05 - 4.68	ND	

Final Approval


Judith Marquez
16Oct2024
12:59:00 PM MDT

PREPARED BY / DATE


Sam Smith
16Oct2024
03:19:00 PM MDT

APPROVED BY / DATE

Microbial Contaminants - Colorado Compliance

Test ID: T000291732
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
Salmonella	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	None Detected	
Total Coliforms*	TM27: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	

Final Approval


Brett Hudson
17Oct2024
02:53:00 PM MDT

PREPARED BY / DATE


Nora Langer
17Oct2024
03:14:00 PM MDT

APPROVED BY / DATE

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26 Avondale Lane
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Mycotoxins - Colorado Compliance

Test ID: T000291735
Methods: TM18 (UHPLC-QQQ)
LCMS/MS: Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	1.73 - 118.42	ND	N/A
Aflatoxin B1	0.94 - 29.77	ND	
Aflatoxin B2	0.88 - 29.86	ND	
Aflatoxin G1	1.00 - 29.77	ND	
Aflatoxin G2	1.05 - 30.45	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval


PREPARED BY / DATE
Sam Smith
17Oct2024
11:51:00 AM MDT


APPROVED BY / DATE
Karen Winternheimer
17Oct2024
11:52:00 AM MDT

Prepared for:

Aspen Green

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Terpenes

Test ID: T000291730

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
18Oct2024
09:01:00 AM MDT
PREPARED BY / DATE


Sam Smith
18Oct2024
09:02:00 AM MDT
APPROVED BY / DATE

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Calm-Lemon Gummies

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Reported: 16Oct2024	Started: 16Oct2024	Received: 14Oct2024	

Pesticides

Test ID: T000291731

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	155 - 2683	ND		Malathion	276 - 2684	ND
Acephate	40 - 2807	ND		Metalaxyl	44 - 2672	ND
Acetamiprid	43 - 2744	ND		Methiocarb	44 - 2686	ND
Azoxystrobin	43 - 2674	ND		Methomyl	38 - 2807	ND
Bifenazate	42 - 2676	ND		MGK 264 1	139 - 1569	ND
Boscalid	43 - 2659	ND		MGK 264 2	89 - 1083	ND
Carbaryl	41 - 2703	ND		Myclobutanil	44 - 2629	ND
Carbofuran	42 - 2689	ND		Naled	49 - 2618	ND
Chlorantraniliprole	42 - 2666	ND		Oxamyl	42 - 2799	ND
Chlorpyrifos	24 - 2695	ND		Paclobutrazol	44 - 2685	ND
Clofentezine	286 - 2702	ND		Permethrin	301 - 2728	ND
Diazinon	274 - 2641	ND		Phosmet	40 - 2541	ND
Dichlorvos	263 - 2806	ND		Prophos	287 - 2694	ND
Dimethoate	41 - 2776	ND		Propoxur	42 - 2692	ND
E-Fenpyroximate	284 - 2697	ND		Pyridaben	292 - 2710	ND
Etofenprox	43 - 2699	ND		Spinosad A	34 - 2047	ND
Etoxazole	274 - 2630	ND		Spinosad D	65 - 645	ND
Fenoxycarb	4 - 2660	ND		Spiromesifen	254 - 2703	ND
Fipronil	58 - 2834	ND		Spirotetramat	296 - 2699	ND
Flonicamid	48 - 2801	ND		Spiroxamine 1	15 - 1014	ND
Fludioxonil	305 - 2732	ND		Spiroxamine 2	24 - 1595	ND
Hexythiazox	38 - 2707	ND		Tebuconazole	292 - 2665	ND
Imazalil	283 - 2685	ND		Thiacloprid	42 - 2795	ND
Imidacloprid	43 - 2791	ND		Thiamethoxam	40 - 2759	ND
Kresoxim-methyl	44 - 2705	ND		Trifloxystrobin	43 - 2683	ND

Final Approval


 Karen Winternheimer
 21Oct2024
 08:25:00 AM MDT
 PREPARED BY / DATE


 Sam Smith
 21Oct2024
 08:28:00 AM MDT
 APPROVED BY / DATE

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Residual Solvents - Colorado Compliance

Test ID: T000291734

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	85 - 1691	ND	Amendment to T000291734 issued on 18October2024 to add client-requested note. The ethanol result is due to this being a test on a finished product that contains organic food grade ethanol as a component of the flavoring.
Butanes (Isobutane, n-Butane)	165 - 3305	ND	
Methanol	60 - 1190	ND	
Pentane	86 - 1716	ND	
Ethanol	89 - 1778	>1778	
Acetone	96 - 1919	ND	
Isopropyl Alcohol	100 - 1991	ND	
Hexane	6 - 119	ND	
Ethyl Acetate	99 - 1972	ND	
Benzene	0.2 - 3.9	ND	
Heptanes	93 - 1866	ND	
Toluene	18 - 354	ND	
Xylenes (m,p,o-Xylenes)	127 - 2532	ND	

Final Approval


Karen Winternheimer
21Oct2024
02:48:00 PM MDT
PREPARED BY / DATE


Sam Smith
21Oct2024
03:13:00 PM MDT
APPROVED BY / DATE

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<https://results.botanacor.com/api/v1/coas/uuid/c60a3ccd-be1b-44ce-99c0-a837a15a87e9>

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 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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