

Prepared for:

ASPEN GREEN

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

Relief FS CBD Gummies Cherry

Batch ID or Lot Number: 230321B	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 1 of 7
Reported: 29Mar2023	Started: 28Mar2023	Received: 27Mar2023	

Mycotoxins - Colorado Compliance

Test ID: T000239309

Methods: TM18 (UHPLC-QQQ

LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	1.76 - 122.15	ND	N/A
Aflatoxin B1	1.00 - 31.67	ND	
Aflatoxin B2	1.00 - 31.38	ND	
Aflatoxin G1	1.13 - 31.20	ND	
Aflatoxin G2	1.10 - 31.76	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval



Sam Smith
29Mar2023
06:44:00 AM MDT

PREPARED BY / DATE



Karen Winternheimer
29Mar2023
06:47:00 AM MDT

APPROVED BY / DATE

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ASPEN GREEN

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Reported:
29Mar2023

Started:
28Mar2023

Received:
27Mar2023

Pesticides

Test ID: T000239305

Methods: TM17

(LC-QQ LC MS/MS)

Dynamic Range (ppb)

Result (ppb)

Abamectin	374 - 2672	ND
Acephate	18 - 2844	ND
Acetamiprid	40 - 2758	ND
Azoxystrobin	45 - 2727	ND
Bifenazate	41 - 2784	ND
Boscalid	66 - 2638	ND
Carbaryl	43 - 2727	ND
Carbofuran	42 - 2705	ND
Chlorantraniliprole	42 - 2649	ND
Chlorpyrifos	55 - 2672	ND
Clofentezine	293 - 2709	ND
Diazinon	289 - 2767	ND
Dichlorvos	274 - 2725	ND
Dimethoate	40 - 2753	ND
E-Fenpyroximate	287 - 2726	ND
Etofenprox	48 - 2703	ND
Etoxazole	306 - 2700	ND
Fenoxycarb	43 - 2757	ND
Fipronil	39 - 2784	ND
Flonicamid	42 - 2787	ND
Fludioxonil	333 - 2624	ND
Hexythiazox	45 - 2742	ND
Imazalil	289 - 2748	ND
Imidacloprid	40 - 2751	ND
Kresoxim-methyl	43 - 2817	ND

Dynamic Range (ppb)

Result (ppb)

Malathion	279 - 2740	ND
Metalaxyl	44 - 2755	ND
Methiocarb	40 - 2669	ND
Methomyl	42 - 2802	ND
MGK 264 1	175 - 1559	ND
MGK 264 2	119 - 1122	ND
Myclobutanil	47 - 2696	ND
Naled	50 - 2695	ND
Oxamyl	44 - 2792	ND
Paclobutrazol	49 - 2706	ND
Permethrin	261 - 2620	ND
Phosmet	40 - 2745	ND
Prophos	296 - 2692	ND
Propoxur	40 - 2711	ND
Pyridaben	311 - 2711	ND
Spinosad A	34 - 2208	ND
Spinosad D	54 - 492	ND
Spiromesifen	284 - 2702	ND
Spirotetramat	276 - 2790	ND
Spiroxamine 1	19 - 1142	ND
Spiroxamine 2	24 - 1509	ND
Tebuconazole	274 - 2734	ND
Thiacloprid	43 - 2751	ND
Thiamethoxam	44 - 2778	ND
Trifloxystrobin	40 - 2722	ND

Final Approval



Karen Winterheimer
30Mar2023
12:35:00 PM MDT

PREPARED BY / DATE



Sam Smith
30Mar2023
12:51:00 PM MDT

APPROVED BY / DATE

Prepared for:

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Reported: 29Mar2023	Started: 28Mar2023	Received: 27Mar2023	

Residual Solvents - Colorado Compliance

Test ID: T000239308

Methods: TM04 (GC-MS): Residual

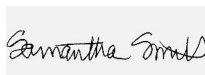
Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	109 - 2186	ND	
Butanes (Isobutane, n-Butane)	224 - 4471	ND	
Methanol	66 - 1318	ND	
Pentane	110 - 2193	ND	
Ethanol	106 - 2130	ND	
Acetone	106 - 2126	ND	
Isopropyl Alcohol	109 - 2179	ND	
Hexane	6 - 127	ND	
Ethyl Acetate	107 - 2144	ND	
Benzene	0.2 - 4.4	ND	
Heptanes	108 - 2161	ND	
Toluene	19 - 376	ND	
Xylenes (m,p,o-Xylenes)	134 - 2670	ND	

Final Approval



Karen Winternheimer
30Mar2023
03:04:00 PM MDT

PREPARED BY / DATE



Sam Smith
30Mar2023
03:07:00 PM MDT

APPROVED BY / DATE

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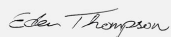
Microbial Contaminants - Colorado Compliance

Test ID: T000239306

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

Final Approval



Eden Thompson-Wright
31Mar2023
02:38:00 PM MDT

PREPARED BY / DATE



Brianne Maillot
31Mar2023
04:27:00 PM MDT

APPROVED BY / DATE

Prepared for:

ASPEN GREEN

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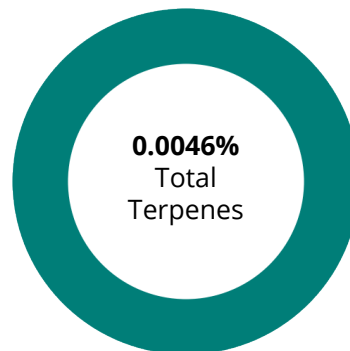
Received:
27Mar2023

Terpenes

Test ID: T000239304

Methods: TM22 (GC-MS)

	(w/w)	(mg/g)
(-)-alpha-Bisabolol	0.0046	0.046
(-)-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
	0.0046	0.0460



PREDOMINANT TERPENES

(-)-alpha-Bisabolol	0.0046
(-)-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 Winterheimer
02Apr2023
12:36:00 PM MDT

PREPARED BY / DATE



Sam Smith
02Apr2023
12:38:00 PM MDT

APPROVED BY / DATE

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Reported: 29Mar2023	Started: 28Mar2023	Received: 27Mar2023	

Heavy Metals - Colorado Compliance

Test ID: T000239307

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.06	ND	
Cadmium	0.05 - 4.56	ND	
Mercury	0.04 - 4.27	ND	
Lead	0.05 - 4.52	ND	

Final Approval

Samantha Smith

Sam Smith
05Apr2023
03:03:00 PM MDT

PREPARED BY / DATE

K Winterheimer

Karen Winterheimer
05Apr2023
03:31:00 PM MDT

APPROVED BY / DATE

Cannabinoids - Colorado Compliance

Test ID: T000239303

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

Cannabinoid Analysis

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.344	1.136	7.687	1.54	Amendment to T000239303 issued 30Mar2023 to update report format. # of Servings = 1 Sample Weight=5g
Cannabichromenic Acid (CBCA)	0.315	1.039	ND	ND	
Cannabidiol (CBD)	1.062	2.986	58.579	11.72	
Cannabidiolic Acid (CBDA)	1.089	3.063	ND	ND	
Cannabidivarin (CBDV)	0.251	0.706	20.880	4.18	
Cannabidivarinic Acid (CBDVA)	0.454	1.278	ND	ND	
Cannabigerol (CBG)	0.196	0.645	2.709	0.54	
Cannabigerolic Acid (CBGA)	0.818	2.696	ND	ND	
Cannabinol (CBN)	0.255	0.841	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	0.558	1.840	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.974	3.212	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.885	2.917	5.008	1.00	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.784	2.585	ND	ND	
Tetrahydrocannabivarin (THCV)	0.178	0.587	1.125	0.23	
Tetrahydrocannabivarinic Acid (THCVA)	0.691	2.280	ND	ND	
Total Cannabinoids			95.988	19.21	
Total Potential THC			5.008	1.00	
Total Potential CBD			58.579	11.72	

Final Approval

Samantha Smith

Sam Smith
24Apr2023
02:43:00 PM MDT

PREPARED BY / DATE

K Winterheimer

Karen Winterheimer
24Apr2023
02:45:00 PM MDT

APPROVED BY / DATE

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<https://results.botanacor.com/api/v1/coas/uuid/ac121b35-7f70-41b7-b2f7-fca649a4b940>

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: 10^2 = 100 CFU, 10^3 = 1,000 CFU, 10^4 = 10,000 CFU, 10^5 = 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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