

Prepared for:

ASPEN GREEN

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

Relief Organic Gummies Cherry

Batch ID or Lot Number: 221222A	Test, Test ID and Methods: Various	Matrix: Unit	Page 1 of 7
Reported: 30Jan2023	Started: 27Jan2023	Received: 26Jan2023	


Cannabinoids - Colorado Compliance


Test ID: T000233524

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

Cannabinoid Analysis	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.351	1.053	7.269	1.53	# of Servings = 1 Sample Weight=4.751g
Cannabichromenic Acid (CBCA)	0.321	0.963	ND	ND	
Cannabidiol (CBD)	1.007	3.109	57.214	12.04	
Cannabidiolic Acid (CBDA)	1.033	3.189	ND	ND	
Cannabidivarin (CBDV)	0.238	0.735	20.182	4.25	
Cannabidivarinic Acid (CBDVA)	0.431	1.330	ND	ND	
Cannabigerol (CBG)	0.199	0.598	2.614	0.55	
Cannabigerolic Acid (CBGA)	0.832	2.500	ND	ND	
Cannabinol (CBN)	0.260	0.780	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	0.568	1.706	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.991	2.979	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.900	2.705	4.572	0.96	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.798	2.397	ND	ND	
Tetrahydrocannabivarin (THCV)	0.181	0.544	1.014	0.21	
Tetrahydrocannabivarinic Acid (THCVA)	0.703	2.114	ND	ND	
Total Cannabinoids			92.865	19.54	
Total Potential THC			4.572	0.96	
Total Potential CBD			57.214	12.04	

Final Approval


Sam Smith
30Jan2023
01:34:00 PM MST
PREPARED BY / DATE


Karen Winternheimer
30Jan2023
01:40:00 PM MST
APPROVED BY / DATE

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Microbial Contaminants - Colorado Compliance

Test ID: T000233527
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
30Jan2023
03:00:00 PM MST

PREPARED BY / DATE



Brianne Maillot
31Jan2023
07:36:00 PM MST

APPROVED BY / DATE

Heavy Metals - Colorado Compliance

Test ID: T000233528
Methods: TM19 (ICP-MS): Heavy Metals

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.48	ND	
Cadmium	0.04 - 4.39	ND	
Mercury	0.04 - 4.31	ND	
Lead	0.05 - 5.18	ND	

Final Approval



Sam Smith
31Jan2023
12:00:00 PM MST

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Karen Winternheimer
31Jan2023
12:04:00 PM MST

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Prepared for:

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Residual Solvents - Colorado Compliance

Test ID: T000233529


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	97 - 1944	ND	
Butanes (Isobutane, n-Butane)	203 - 4051	ND	
Methanol	61 - 1229	ND	
Pentane	102 - 2033	ND	
Ethanol	98 - 1958	ND	
Acetone	100 - 1995	ND	
Isopropyl Alcohol	101 - 2019	ND	
Hexane	6 - 123	ND	
Ethyl Acetate	101 - 2029	ND	
Benzene	0.2 - 4.3	ND	
Heptanes	109 - 2172	ND	
Toluene	19 - 376	ND	
Xylenes (m,p,o-Xylenes)	139 - 2778	ND	

Final Approval


Sam Smith
31Jan2023
02:45:00 PM MST

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Karen Winternheimer
31Jan2023
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Mycotoxins - Colorado Compliance


Test ID: T000233530


Methods: TM18 (UHPLC-QQQ)

LCMS/MS: Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.85 - 132.07	ND	N/A
Aflatoxin B1	0.91 - 33.49	ND	
Aflatoxin B2	0.95 - 33.59	ND	
Aflatoxin G1	1.04 - 33.07	ND	
Aflatoxin G2	1.08 - 33.56	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval


Sam Smith
02Feb2023
07:24:00 AM MST
PREPARED BY / DATE


Karen Winternheimer
02Feb2023
07:29:00 AM MST
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Pesticides


Test ID: T000233526

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	292 - 2707	ND		Malathion	289 - 2718	ND
Acephate	45 - 2767	ND		Metalaxyl	44 - 2730	ND
Acetamiprid	44 - 2758	ND		Methiocarb	45 - 2709	ND
Azoxystrobin	43 - 2747	ND		Methomyl	41 - 2762	ND
Bifenazate	39 - 2732	ND		MGK 264 1	168 - 1637	ND
Boscalid	35 - 2700	ND		MGK 264 2	120 - 1139	ND
Carbaryl	45 - 2731	ND		Myclobutanil	43 - 2701	ND
Carbofuran	44 - 2717	ND		Naled	42 - 2772	ND
Chlorantraniliprole	43 - 2666	ND		Oxamyl	43 - 2764	ND
Chlorpyrifos	50 - 2713	ND		Paclobutrazol	40 - 2735	ND
Clofentezine	270 - 2767	ND		Permethrin	280 - 2765	ND
Diazinon	276 - 2752	ND		Phosmet	40 - 2744	ND
Dichlorvos	278 - 2771	ND		Prophos	293 - 2662	ND
Dimethoate	41 - 2761	ND		Propoxur	42 - 2724	ND
E-Fenpyroximate	289 - 2734	ND		Pyridaben	293 - 2751	ND
Etofenprox	42 - 2774	ND		Spinosad A	35 - 2244	ND
Etoazole	298 - 2712	ND		Spinosad D	49 - 498	ND
Fenoxycarb	42 - 2767	ND		Spiromesifen	281 - 2750	ND
Fipronil	51 - 2704	ND		Spirotetramat	272 - 2754	ND
Flonicamid	50 - 2802	ND		Spiroxamine 1	20 - 1148	ND
Fludioxonil	288 - 2756	ND		Spiroxamine 2	21 - 1557	ND
Hexythiazox	41 - 2761	ND		Tebuconazole	296 - 2732	ND
Imazalil	263 - 2758	ND		Thiacloprid	42 - 2746	ND
Imidacloprid	44 - 2755	ND		Thiamethoxam	42 - 2770	ND
Kresoxim-methyl	41 - 2798	ND		Trifloxystrobin	44 - 2749	ND

Final Approval


 Karen Winternheimer
 03Feb2023
 09:29:00 AM MST
 PREPARED BY / DATE


 Sam Smith
 03Feb2023
 09:39:00 AM MST
 APPROVED BY / DATE

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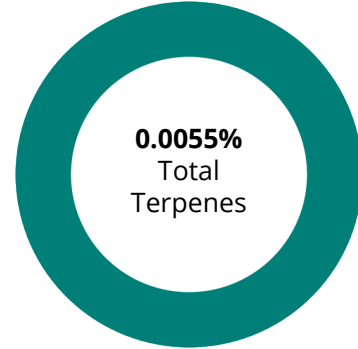
Batch ID or Lot Number: 221222A	Test, Test ID and Methods: Various	Matrix: Unit	Page 6 of 7
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Terpenes

Test ID: T000233525

Methods: TM22 (GC-MS)

	%(w/w)	(mg/g)
(-)-alpha-Bisabolol	0.0055	0.055
(-)-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
	0.0055	0.0550




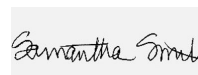
PREDOMINANT TERPENES

(-)-alpha-Bisabolol	0.0055	<div style="width: 100%;"></div>
(-)-beta-Pinene	0.0000	<div style="width: 0%;"></div>
alpha-Humulene	0.0000	<div style="width: 0%;"></div>
alpha-Pinene	0.0000	<div style="width: 0%;"></div>
alpha-Terpinene	0.0000	<div style="width: 0%;"></div>
beta-Caryophyllene	0.0000	<div style="width: 0%;"></div>
beta-Myrcene	0.0000	<div style="width: 0%;"></div>
d-Limonene	0.0000	<div style="width: 0%;"></div>
delta-3-Carene	0.0000	<div style="width: 0%;"></div>
Linalool	0.0000	<div style="width: 0%;"></div>

Notes

Final Approval


 Karen Winternheimer
 03Feb2023
 11:13:00 AM MST
 PREPARED BY / DATE


 Sam Smith
 03Feb2023
 11:15:00 AM MST
 APPROVED BY / DATE

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<https://results.botanacor.com/api/v1/coas/uuid/7e37d25d-675c-41bd-a5cb-5ea3f94243be>

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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