

Prepared for:

ASPEN GREEN

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

Rest Organic Gummies Berry

Batch ID or Lot Number: 221221G	Test, Test ID and Methods: Various	Matrix: Unit	Page 1 of 7
Reported: 30Jan2023	Started: 27Jan2023	Received: 26Jan2023	


Cannabinoids - Colorado Compliance


Test ID: T000233517

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

Cannabinoid Analysis	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.357	1.073	8.346	1.67	# of Servings = 1 Sample Weight=4.995g
Cannabichromenic Acid (CBCA)	0.327	0.982	ND	ND	
Cannabidiol (CBD)	1.026	3.168	65.750	13.16	
Cannabidiolic Acid (CBDA)	1.052	3.249	ND	ND	
Cannabidivarin (CBDV)	0.243	0.749	23.064	4.62	
Cannabidivarinic Acid (CBDVA)	0.439	1.355	ND	ND	
Cannabigerol (CBG)	0.203	0.609	2.934	0.59	
Cannabigerolic Acid (CBGA)	0.848	2.547	ND	ND	
Cannabinol (CBN)	0.265	0.795	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	0.578	1.738	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	1.010	3.035	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.917	2.756	5.071	1.02	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.813	2.442	ND	ND	
Tetrahydrocannabivarin (THCV)	0.184	0.554	1.214	0.24	
Tetrahydrocannabivarinic Acid (THCVA)	0.717	2.154	ND	ND	
Total Cannabinoids			106.379	21.30	
Total Potential THC			5.071	1.02	
Total Potential CBD			65.750	13.16	

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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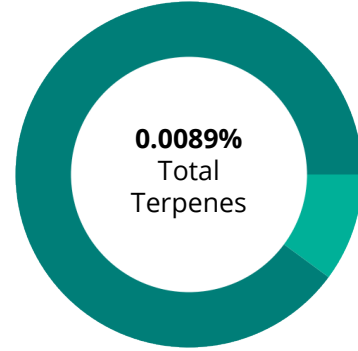
Batch ID or Lot Number: 221221G	Test, Test ID and Methods: Various	Matrix: Unit	Page 6 of 7
Reported: 30Jan2023	Started: 27Jan2023	Received: 26Jan2023	

Terpenes

Test ID: T000233518

Methods: TM22 (GC-MS)

	%(w/w)	(mg/g)
(-)-alpha-Bisabolol	0.0080	0.080
(-)-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	0.0009	0.009
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
	0.0089	0.0890




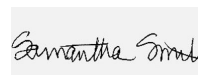
PREDOMINANT TERPENES

(-)-alpha-Bisabolol	0.0080	<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	0.0009	<div style="width: 11.25%;"></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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Pesticides


Test ID: T000233519

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
Etoxazole	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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Microbial Contaminants - Colorado Compliance

Test ID: T000233520
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


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: T000233521
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

PREPARED BY / DATE


Karen Winternheimer
31Jan2023
12:04:00 PM MST

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Residual Solvents - Colorado Compliance

Test ID: T000233522


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	78 - 1561	ND	
Butanes (Isobutane, n-Butane)	163 - 3254	ND	
Methanol	49 - 987	ND	
Pentane	82 - 1633	ND	
Ethanol	79 - 1573	ND	
Acetone	80 - 1602	ND	
Isopropyl Alcohol	81 - 1622	ND	
Hexane	5 - 98	ND	
Ethyl Acetate	81 - 1630	ND	
Benzene	0.2 - 3.4	ND	
Heptanes	87 - 1744	ND	
Toluene	15 - 302	ND	
Xylenes (m,p,o-Xylenes)	112 - 2231	ND	

Final Approval


Sam Smith
31Jan2023
02:45:00 PM MST

PREPARED BY / DATE


Karen Winternheimer
31Jan2023
02:48:00 PM MST

APPROVED BY / DATE

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Mycotoxins - Colorado Compliance


Test ID: T000233523


Methods: TM18 (UHPLC-QQQ)

LCMS/MS: Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.69 - 126.64	ND	N/A
Aflatoxin B1	0.88 - 32.11	ND	
Aflatoxin B2	0.91 - 32.21	ND	
Aflatoxin G1	1.00 - 31.71	ND	
Aflatoxin G2	1.03 - 32.18	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
 APPROVED BY / DATE

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<https://results.botanacor.com/api/v1/coas/uuid/3847c66e-d68c-41b2-98a0-736f50cee0fc>

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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