

Prepared for:
Elixinol LLC

10170 Church Ranch Way, Ste 400
Westminster, CO USA 80021

PO-0046 FGR-335 D9 Gummy D9 EVG.ELIX.G3.3376

Batch ID or Lot Number:	Test, Test ID and Methods: Various	Matrix: Unit	Page 1 of 6
Reported: 26Oct2023	Started: 26Oct2023	Received: 24Oct2023	


Cannabinoids - Colorado Compliance

Test ID: T000259874

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

Cannabinoid Analysis	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.203	0.686	1.307	0.44	# of Servings = 1 Sample Weight=2.99g
Cannabichromenic Acid (CBCA)	0.186	0.628	ND	ND	
Cannabidiol (CBD)	0.697	1.818	17.612	5.89	
Cannabidiolic Acid (CBDA)	0.715	1.865	ND	ND	
Cannabidivarin (CBDV)	0.165	0.430	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	0.298	0.778	ND	ND	
Cannabigerol (CBG)	0.115	0.390	0.735	0.25	
Cannabigerolic Acid (CBGA)	0.482	1.629	ND	ND	
Cannabinol (CBN)	0.150	0.508	ND	ND	
Cannabinolic Acid (CBNA)	0.329	1.112	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.574	1.941	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.521	1.763	3.258	1.09	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.462	1.562	ND	ND	
Tetrahydrocannabivarin (THCV)	0.105	0.354	<LOQ	<LOQ	
Tetrahydrocannabivarinic Acid (THCVA)	0.407	1.378	ND	ND	
Total Cannabinoids			22.912	7.67	
Total Potential THC			3.258	1.09	
Total Potential CBD			17.612	5.89	

Final Approval


Sam Smith
26Oct2023
01:24:00 PM MDT
PREPARED BY / DATE


Karen Winternheimer
26Oct2023
01:31:00 PM MDT
APPROVED BY / DATE

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Mycotoxins - Colorado Compliance


Test ID: T000259879

Methods: TM18 (UHPLC-QQQ)

LCMS/MS: Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.40 - 129.47	ND	N/A
Aflatoxin B1	1.10 - 32.01	ND	
Aflatoxin B2	1.07 - 32.88	ND	
Aflatoxin G1	1.10 - 32.24	ND	
Aflatoxin G2	1.17 - 32.76	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval


PREPARED BY / DATE
Sam Smith
27Oct2023
06:53:00 AM MDT


APPROVED BY / DATE
Karen Winternheimer
27Oct2023
06:58:00 AM MDT

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Residual Solvents - Colorado Compliance


Test ID: T000259878
Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	94 - 1874	ND	
Butanes (Isobutane, n-Butane)	184 - 3689	ND	
Methanol	64 - 1285	ND	
Pentane	96 - 1921	ND	
Ethanol	104 - 2074	>2074	
Acetone	104 - 2078	ND	
Isopropyl Alcohol	113 - 2270	ND	
Hexane	6 - 124	ND	
Ethyl Acetate	106 - 2117	ND	
Benzene	0.2 - 4.1	ND	
Heptanes	99 - 1981	ND	
Toluene	19 - 380	ND	
Xylenes (m,p,o-Xylenes)	140 - 2808	ND	

Final Approval

 Karen Winternheimer
27Oct2023
09:46:00 AM MDT

PREPARED BY / DATE

 Sam Smith
27Oct2023
09:47:00 AM MDT

APPROVED BY / DATE

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Microbial Contaminants - Colorado Compliance

Test ID: T000259876
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 27Oct2023 10:25:00 AM MDT	 Brett Hudson 27Oct2023 12:43:00 PM MDT
PREPARED BY / DATE	APPROVED BY / DATE

Heavy Metals - Colorado Compliance

Test ID: T000259877
Methods: TM19 (ICP-MS): Heavy
Metals

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.50	ND	
Cadmium	0.04 - 4.45	ND	
Mercury	0.05 - 4.52	ND	
Lead	0.04 - 4.45	ND	

Final Approval

 Sam Smith 27Oct2023 03:11:00 PM MDT	 Karen Winternheimer 27Oct2023 03:14:00 PM MDT
PREPARED BY / DATE	APPROVED BY / DATE

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Pesticides


Test ID: T000259875


Methods: TM17

(LC-QQ LC MS/MS)

	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)
Abamectin	280 - 2633	ND	Malathion	280 - 2694	ND
Acephate	44 - 2726	ND	Metalaxyl	45 - 2716	ND
Acetamiprid	42 - 2696	ND	Methiocarb	42 - 2738	ND
Azoxystrobin	44 - 2725	ND	Methomyl	44 - 2787	ND
Bifenazate	45 - 2683	ND	MGK 264 1	167 - 1596	ND
Boscalid	41 - 2756	ND	MGK 264 2	113 - 1076	ND
Carbaryl	42 - 2678	ND	Myclobutanil	82 - 2696	ND
Carbofuran	43 - 2680	ND	Naled	46 - 2599	ND
Chlorantraniliprole	41 - 2731	ND	Oxamyl	42 - 2797	ND
Chlorpyrifos	37 - 2750	ND	Paclobutrazol	45 - 2666	ND
Clofentezine	281 - 2720	ND	Permethrin	288 - 2753	ND
Diazinon	278 - 2696	ND	Phosmet	45 - 2590	ND
Dichlorvos	273 - 2730	ND	Prophos	287 - 2730	ND
Dimethoate	45 - 2746	ND	Propoxur	45 - 2688	ND
E-Fenpyroximate	291 - 2780	ND	Pyridaben	293 - 2762	ND
Etofenprox	43 - 2749	ND	Spinosad A	32 - 2094	ND
Etoxazole	289 - 2678	ND	Spinosad D	66 - 682	ND
Fenoxycarb	46 - 2662	ND	Spiromesifen	270 - 2752	ND
Fipronil	48 - 2776	ND	Spirotetramat	274 - 2726	ND
Flonicamid	46 - 2769	ND	Spiroxamine 1	16 - 1042	ND
Fludioxonil	282 - 2702	ND	Spiroxamine 2	25 - 1597	ND
Hexythiazox	39 - 2771	ND	Tebuconazole	284 - 2713	ND
Imazalil	252 - 2769	ND	Thiacloprid	46 - 2759	ND
Imidacloprid	47 - 2780	ND	Thiamethoxam	45 - 2797	ND
Kresoxim-methyl	43 - 2742	ND	Trifloxystrobin	46 - 2702	ND

Final Approval


 Karen Winternheimer
 31Oct2023
 11:00:00 AM MDT
 PREPARED BY / DATE


 Sam Smith
 31Oct2023
 11:02:00 AM MDT
 APPROVED BY / DATE

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<https://results.botanacor.com/api/v1/coas/uuid/d91cff2-7158-4bda-a6e6-7ea585f0e338>

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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