

Prepared for:
Elixinol LLC

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

FGR-325 - PO 0045 - LOT 23081101-01

Batch ID or Lot Number: 23081101-01	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 5
Reported: 30Oct2023	Started: 26Oct2023	Received: 26Oct2023	

Microbial Contaminants - Colorado Compliance

Test ID: T000259820
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
29Oct2023
01:44:00 PM MDT



Eden Thompson-Wright
30Oct2023
09:40:00 AM MDT

PREPARED BY / DATE

APPROVED BY / DATE

Heavy Metals - Colorado Compliance

Test ID: T000259821
Methods: TM19 (ICP-MS): Heavy
Metals

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.53	ND	
Cadmium	0.04 - 4.49	ND	
Mercury	0.05 - 4.67	ND	
Lead	0.05 - 4.66	ND	

Final Approval



Sam Smith
31Oct2023
12:59:00 PM MDT



Karen Winternheimer
31Oct2023
01:03:00 PM MDT

PREPARED BY / DATE

APPROVED BY / DATE

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Cannabinoids - Colorado Compliance

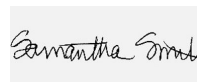
Test ID: T000259818

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

Cannabinoid Analysis	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.023	0.084	1.320	1.74	# of Servings = 1 Sample Weight=0.759g
Cannabichromenic Acid (CBCA)	0.021	0.077	<LOQ	<LOQ	
Cannabidiol (CBD)	0.088	0.230	46.088	60.69	
Cannabidiolic Acid (CBDA)	0.090	0.236	0.590	0.78	
Cannabidivarin (CBDV)	0.021	0.054	0.085	0.11	
Cannabidivarinic Acid (CBDVA)	0.038	0.098	ND	ND	
Cannabigerol (CBG)	0.013	0.048	ND	ND	
Cannabigerolic Acid (CBGA)	0.056	0.200	ND	ND	
Cannabinol (CBN)	0.017	0.062	0.906	1.19	
Cannabinolic Acid (CBNA)	0.038	0.136	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.066	0.238	<LOQ	<LOQ	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.060	0.216	0.468	0.62	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.053	0.191	ND	ND	
Tetrahydrocannabivarin (THCV)	0.012	0.043	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.047	0.169	ND	ND	
Total Cannabinoids			49.457	65.13	
Total Potential THC			0.468	0.62	
Total Potential CBD			46.605	61.37	

Final Approval


Karen Winternheimer
31Oct2023
11:27:00 AM MDT
PREPARED BY / DATE


Sam Smith
31Oct2023
11:30:00 AM MDT
APPROVED BY / DATE

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Residual Solvents - Colorado Compliance

Test ID: T000259822


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	92 - 1848	ND	
Butanes (Isobutane, n-Butane)	182 - 3633	ND	
Methanol	61 - 1228	ND	
Pentane	94 - 1890	ND	
Ethanol	98 - 1961	260	
Acetone	98 - 1957	ND	
Isopropyl Alcohol	107 - 2133	279	
Hexane	6 - 120	ND	
Ethyl Acetate	101 - 2010	ND	
Benzene	0.2 - 3.9	ND	
Heptanes	97 - 1933	ND	
Toluene	18 - 359	ND	
Xylenes (m,p,o-Xylenes)	132 - 2630	ND	

Final Approval

 Karen Winternheimer
31Oct2023
09:08:00 AM MDT

PREPARED BY / DATE

 Sam Smith
31Oct2023
09:10:00 AM MDT

APPROVED BY / DATE

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Pesticides


Test ID: T000259819

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
Etoazole	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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Mycotoxins - Colorado Compliance

Test ID: T000259823
Methods: TM18 (UHPLC-QQQ)

LCMS/MS): Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.12 - 132.50	ND	N/A
Aflatoxin B1	0.93 - 34.71	ND	
Aflatoxin B2	2.28 - 34.38	ND	
Aflatoxin G1	0.99 - 34.45	ND	
Aflatoxin G2	1.19 - 34.55	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval


Sam Smith
08Nov2023
10:06:00 AM MST
PREPARED BY / DATE


Karen Winternheimer
08Nov2023
10:19:00 AM MST
APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/b624d314-b81a-485c-bf3e-ce57f0affd1b>

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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