

Prepared for:
Elixinol LLC

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

FGR-116 - Cinnamint 500 - ELIX.500MFSOCM.0061

Batch ID or Lot Number: ELIX.500MFSOCM.0061	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 7
Reported: 13May2024	Started: 10May2024	Received: 09May2024	

**Mycotoxins - Colorado
Compliance**

Test ID: T000278274

Methods: TM18 (UHPLC-QQQ)

LCMS/MS: Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	1.96 - 123.78	ND	N/A
Aflatoxin B1	0.85 - 32.02	ND	
Aflatoxin B2	0.88 - 32.40	ND	
Aflatoxin G1	0.95 - 32.49	ND	
Aflatoxin G2	1.55 - 32.75	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval



Karen Winternheimer
13May2024
10:59:00 AM MDT

PREPARED BY / DATE



Sam Smith
13May2024
11:03:00 AM MDT

APPROVED BY / DATE

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**Cannabinoids - Colorado
Compliance**

Test ID: T000278268

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

Cannabinoid Analysis


	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.062	0.205	0.427	0.45	Density = 0.945581g/mL
Cannabichromenic Acid (CBCA)	0.057	0.187	ND	ND	
Cannabidiol (CBD)	0.200	0.537	17.837	18.86	
Cannabidiolic Acid (CBDA)	0.205	0.551	ND	ND	
Cannabidivarin (CBDV)	0.047	0.127	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	0.086	0.230	ND	ND	
Cannabigerol (CBG)	0.035	0.116	0.292	0.31	
Cannabigerolic Acid (CBGA)	0.148	0.487	ND	ND	
Cannabinol (CBN)	0.046	0.152	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	0.101	0.332	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.176	0.580	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.160	0.526	0.559	0.59	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.142	0.466	ND	ND	
Tetrahydrocannabivarin (THCV)	0.032	0.106	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.125	0.411	ND	ND	
Total Cannabinoids			19.115	20.21	
Total Potential THC			0.559	0.59	
Total Potential CBD			17.837	18.86	

Final Approval



Karen Winternheimer
13May2024
12:56:00 PM MDT

PREPARED BY / DATE



Sam Smith
13May2024
12:58:00 PM MDT

APPROVED BY / DATE

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**Microbial
Contaminants -
Colorado Compliance**

Test ID: T000278270

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
13May2024
01:20:00 PM MDT

PREPARED BY / DATE



Brianne Maillot
14May2024
07:47:00 PM MDT

APPROVED BY / DATE

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Residual Solvents - Colorado Compliance

Test ID: T000278272

Methods: TM04 (GC-MS): Residual


Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	75 - 1504	ND	
Butanes (Isobutane, n-Butane)	161 - 3218	ND	
Methanol	65 - 1295	ND	
Pentane	86 - 1717	ND	
Ethanol	89 - 1780	ND	
Acetone	102 - 2047	ND	
Isopropyl Alcohol	109 - 2172	ND	
Hexane	6 - 127	ND	
Ethyl Acetate	105 - 2107	ND	
Benzene	0.2 - 4.3	ND	
Heptanes	97 - 1943	ND	
Toluene	19 - 378	ND	
Xylenes (m,p,o-Xylenes)	135 - 2701	ND	

Final Approval



Karen Winternheimer
14May2024
08:53:00 AM MDT

PREPARED BY / DATE



Sam Smith
14May2024
08:55:00 AM MDT

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**Heavy Metals -
Colorado Compliance**

Test ID: T000278271

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.76	ND	
Cadmium	0.05 - 4.54	ND	
Mercury	0.05 - 4.87	ND	
Lead	0.05 - 4.84	ND	

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Karen Winternheimer
14May2024
12:54:00 PM MDT

PREPARED BY / DATE



Sam Smith
14May2024
01:07:00 PM MDT

APPROVED BY / DATE

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Pesticides


Test ID: T000278269

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	330 - 2638	ND		Malathion	291 - 2676	ND
Acephate	28 - 2811	ND		Metalaxyl	30 - 2706	ND
Acetamiprid	28 - 2725	ND		Methiocarb	30 - 2715	ND
Azoxystrobin	31 - 2718	ND		Methomyl	27 - 2802	ND
Bifenazate	28 - 2708	ND		MGK 264 1	160 - 1614	ND
Boscalid	30 - 2693	ND		MGK 264 2	105 - 1068	ND
Carbaryl	29 - 2678	ND		Myclobutanil	26 - 2640	ND
Carbofuran	29 - 2680	ND		Naled	31 - 2631	ND
Chlorantraniliprole	34 - 2729	ND		Oxamyl	28 - 2801	ND
Chlorpyrifos	13 - 2722	ND		Paclobutrazol	27 - 2672	ND
Clofentezine	282 - 2703	ND		Permethrin	284 - 2747	ND
Diazinon	271 - 2730	ND		Phosmet	28 - 2584	ND
Dichlorvos	273 - 2774	ND		Prophos	282 - 2725	ND
Dimethoate	27 - 2742	ND		Propoxur	29 - 2679	ND
E-Fenpyroximate	260 - 2731	ND		Pyridaben	277 - 2749	ND
Etofenprox	29 - 2709	ND		Spinosad A	22 - 2068	ND
Etoxazole	274 - 2638	ND		Spinosad D	60 - 652	ND
Fenoxycarb	24 - 2696	ND		Spiromesifen	258 - 2714	ND
Fipronil	31 - 2691	ND		Spirotetramat	286 - 2768	ND
Flonicamid	31 - 2793	ND		Spiroxamine 1	11 - 998	ND
Fludioxonil	279 - 2651	ND		Spiroxamine 2	17 - 1605	ND
Hexythiazox	32 - 2749	ND		Tebuconazole	287 - 2710	ND
Imazalil	273 - 2747	ND		Thiacloprid	28 - 2762	ND
Imidacloprid	32 - 2830	ND		Thiamethoxam	30 - 2781	ND
Kresoxim-methyl	28 - 2737	ND		Trifloxystrobin	30 - 2696	ND

Final Approval


Sam Smith
15May2024
11:24:00 AM MDT
PREPARED BY / DATE


Karen Winternheimer
15May2024
11:27:00 AM MDT
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<https://results.botanacor.com/api/v1/coas/uuid/718d3d07-8816-44c0-b083-61ce9438ca90>

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 \times (0.877)) and Total CBD = CBD + (CBDa \times (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 \times (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 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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