

Prepared for:

Elixinol LLC

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

ELIX.1000MFSOCM.0073

Batch ID or Lot Number: ELIX.1000MFSOCM.0073	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 5
Reported: 03Jul2024	Started: 02Jul2024	Received: 02Jul2024	

Residual Solvents - Colorado Compliance

Test ID: T000285509

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	71 - 1411	ND	
Butanes (Isobutane, n-Butane)	146 - 2911	ND	
Methanol	60 - 1198	ND	
Pentane	78 - 1557	ND	
Ethanol	90 - 1809	ND	
Acetone	94 - 1878	ND	
Isopropyl Alcohol	100 - 1998	ND	
Hexane	6 - 113	ND	
Ethyl Acetate	97 - 1943	ND	
Benzene	0.2 - 3.9	ND	
Heptanes	89 - 1786	ND	
Toluene	18 - 353	ND	
Xylenes (m,p,o-Xylenes)	127 - 2541	ND	

Final Approval



Karen Winternheimer
03Jul2024
09:26:00 AM MDT

PREPARED BY / DATE



Sam Smith
03Jul2024
09:31:00 AM MDT

APPROVED BY / DATE

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Pesticides


Test ID: T000285506

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	300 - 2701	ND		Malathion	271 - 2646	ND
Acephate	43 - 2756	ND		Metalaxyl	44 - 2671	ND
Acetamiprid	43 - 2711	ND		Methiocarb	42 - 2760	ND
Azoxystrobin	43 - 2671	ND		Methomyl	43 - 2743	ND
Bifenazate	42 - 2631	ND		MGK 264 1	158 - 1630	ND
Boscalid	42 - 2704	ND		MGK 264 2	124 - 1078	ND
Carbaryl	40 - 2714	ND		Myclobutanil	42 - 2722	ND
Carbofuran	41 - 2702	ND		Naled	41 - 2690	ND
Chlorantraniliprole	43 - 2732	ND		Oxamyl	44 - 2757	ND
Chlorpyrifos	52 - 2685	ND		Paclobutrazol	47 - 2710	ND
Clofentezine	271 - 2721	ND		Permethrin	298 - 2714	ND
Diazinon	269 - 2652	ND		Phosmet	42 - 2543	ND
Dichlorvos	286 - 2728	ND		Prophos	282 - 2766	ND
Dimethoate	41 - 2727	ND		Propoxur	41 - 2695	ND
E-Fenpyroximate	286 - 2684	ND		Pyridaben	295 - 2678	ND
Etofenprox	43 - 2670	ND		Spinosad A	33 - 2084	ND
Etoxazole	281 - 2606	ND		Spinosad D	62 - 655	ND
Fenoxycarb	43 - 2680	ND		Spiromesifen	267 - 2689	ND
Fipronil	57 - 2801	ND		Spirotetramat	286 - 2722	ND
Flonicamid	49 - 2799	ND		Spiroxamine 1	16 - 1037	ND
Fludioxonil	283 - 2777	ND		Spiroxamine 2	24 - 1626	ND
Hexythiazox	39 - 2690	ND		Tebuconazole	292 - 2655	ND
Imazalil	275 - 2725	ND		Thiacloprid	44 - 2748	ND
Imidacloprid	43 - 2736	ND		Thiamethoxam	41 - 2744	ND
Kresoxim-methyl	47 - 2697	ND		Trifloxystrobin	43 - 2707	ND

Final Approval


Sam Smith
05Jul2024
09:06:00 AM MDT
PREPARED BY / DATE


Karen Winternheimer
05Jul2024
09:08:00 AM MDT
APPROVED BY / DATE

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Cannabinoids - Colorado Compliance

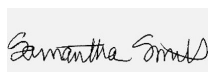
Test ID: T000285505


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

Cannabinoid Analysis

	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.059	0.183	0.423	0.45	Density = 0.947164g/mL
Cannabichromenic Acid (CBCA)	0.054	0.167	ND	ND	
Cannabidiol (CBD)	0.143	0.529	18.002	19.01	
Cannabidiolic Acid (CBDA)	0.147	0.542	ND	ND	
Cannabidivarin (CBDV)	0.034	0.125	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	0.061	0.226	ND	ND	
Cannabigerol (CBG)	0.034	0.104	ND	ND	
Cannabigerolic Acid (CBGA)	0.140	0.435	ND	ND	
Cannabinol (CBN)	0.044	0.136	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	0.096	0.296	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.167	0.518	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.152	0.470	<LOQ	<LOQ	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.134	0.417	ND	ND	
Tetrahydrocannabivarin (THCV)	0.031	0.095	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.119	0.367	ND	ND	
Total Cannabinoids			18.425	19.46	
Total Potential THC			<LOQ	<LOQ	
Total Potential CBD			18.002	19.01	

Final Approval


Sam Smith
05Jul2024
09:46:00 AM MDT
PREPARED BY / DATE


Karen Winternheimer
05Jul2024
09:48:00 AM MDT
APPROVED BY / DATE

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Microbial Contaminants - Colorado Compliance

Test ID: T000285507

Methods: TM25 (qPCR) TM24, TM26,

TM27 (Culture Plating): Microbial

(Colorado Panel)

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

Robert Zecher

Brett Hudson
05Jul2024
03:08:00 PM MDT

Brianne Maillo

Brianne Maillot
05Jul2024
03:30:00 PM MDT

PREPARED BY / DATE

APPROVED BY / DATE

Mycotoxins - Colorado Compliance

Test ID: T000285511

Methods: TM18 (UHPLC-QQQ)

LCMS/MS): Mycotoxins

LCMS/MS: Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	1.23 - 138.25	ND	N/A
Aflatoxin B1	1.03 - 34.17	ND	
Aflatoxin B2	1.06 - 33.81	ND	
Aflatoxin G1	1.13 - 33.61	ND	
Aflatoxin G2	1.03 - 34.04	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval

Samantha Small

Sam Smith
07Jul2024
07:13:00 AM MDT

Winterhime

Karen Winternheimer
07Jul2024
07:16:00 AM MDT

PREPARED BY / DATE

APPROVED BY / DATE

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Heavy Metals - Colorado Compliance

Test ID: T000285508

Methods: TM19 (ICP-MS): Heavy

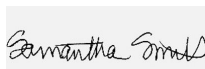
Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.55	ND	
Cadmium	0.05 - 4.81	ND	
Mercury	0.05 - 4.72	ND	
Lead	0.05 - 4.82	ND	

Final Approval



Karen Winternheimer
08Jul2024
12:14:00 PM MDT

PREPARED BY / DATE



Sam Smith
08Jul2024
01:05:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/b28ad0c9-7162-4e82-9fe7-59f0185bc2dd>

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: 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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