

Official Compliance: Colorado

CERTIFICATE OF ANALYSIS

Prepared for: Elixinol LLC

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

Batch ID or Lot Number: 220118	Test: Potency	Reported: 27Jun2022	USDA License: N/A
Matrix:	Test ID:	Started:	Sampler ID:
Solution	T000211365	23Jun2022	N/A
	Method(s):	Received:	Status:
	TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	22Jun2022	Active

			Result		
Cannabinoids	LOD (mg/mL)	LOQ (mg/mL)	(mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.067	0.208	0.489	0.52	Density =
Cannabichromenic Acid (CBCA)	0.061	0.190	ND	ND	0.94172g/ml
Cannabidiol (CBD)	0.172	0.543	18.749	19.91	
Cannabidiolic Acid (CBDA)	0.176	0.556	ND	ND	
Cannabidivarin (CBDV)	0.041	0.128	0.324	0.34	
Cannabidivarinic Acid (CBDVA)	0.073	0.232	ND	ND	
Cannabigerol (CBG)	0.038	0.118	0.182	0.19	
Cannabigerolic Acid (CBGA)	0.158	0.493	ND	ND	
Cannabinol (CBN)	0.049	0.154	ND	ND	
Cannabinolic Acid (CBNA)	0.108	0.336	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.189	0.587	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.171	0.533	0.895	0.95	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.152	0.473	ND	ND	
Tetrahydrocannabivarin (THCV)	0.034	0.107	0.111	0.12	
Tetrahydrocannabivarinic Acid (THCVA)	0.134	0.417	ND	ND	
Total Cannabinoids			20.750	22.03	
Total Potential THC			0.895	0.95	
Total Potential CBD			18.749	19.91	

Final Approval

Daniel Walnut

PREPARED BY / DATE

Daniel Weidensaul 28Jun2022 06:09:00 PM MDT

APPROVED BY / DATE

Jacob Miller 28Jun2022 06:11:00 PM MDT



Definitions

% = % (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)).

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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 Botanacor Laboratories, LLC. ISO/IEC 17025:2017 Accredited by A2LA.





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

500mg Natural Tincture - 220118

Batch ID or Lot Number:	Test:	Reported:	USDA License:
220118	Residual Solvents	23Jun2022	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000211369	23Jun2022	N/A
	Method(s):	Received:	Status:
	TM04 (GC-MS): Residual Solvents	22Jun2022	Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	74 - 1484	ND	
Butanes (lsobutane, n-Butane)	116 - 2316	ND	
Methanol	43 - 864	ND	
Pentane	63 - 1270	ND	
Ethanol	68 - 1364	ND	
Acetone	71 - 1423	ND	
Isopropyl Alcohol	72 - 1445	ND	
Hexane	4 - 88	ND	
Ethyl Acetate	73 - 1451	ND	
Benzene	0.2 - 3.1	ND	
Heptanes	74 - 1478	ND	
Toluene	13 - 269	ND	
Xylenes (m,p,o-Xylenes)	99 - 1975	ND	

Final Approval

PREPARED BY / DATE

Jacob Miller 23Jun2022 04:24:00 PM MDT

amanthe Sm

Sam Smith 23Jun2022 04:29:00 PM MDT



APPROVED BY / DATE

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Definitions

ND = None Detected (defined by dynamic range of the method) Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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

Batch ID or Lot Number: Test: Reported: USDA License: 220118 **Heavy Metals** 28Jun2022 NA Matrix: Test ID: Started: Sampler ID: Unit Co T000211368 27Jun2022 NA Status: Method(s): Received: TM19 (ICP-MS): Heavy Metals 22Jun2022 NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.08 - 7.90	ND	
Cadmium	0.08 - 7.87	ND	
Mercury	0.08 - 7.80	ND	
Lead	0.08 - 7.99	ND	

Final Approval

Daniel Wards

PREPARED BY / DATE

Daniel Weidensaul 29Jun2022 08:05:00 PM MDT

Cautiny Richolde

APPROVED BY / DATE

Courtney Richards 29Jun2022 09:10:00 PM MDT



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Definitions

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

Batch ID or Lot Number:	Test:		Reported:		USDA License:
220118	Microbial Conta	aminants	27Jun2022		N/A
Matrix:	Test ID:	Test ID:			Sampler ID:
Finished Product	T000211367		22Jun2022		N/A
	Method(s):		Received:		Status:
	TM25 (qPCR) TM (Culture Plating) Panel)	24, TM26, TM27 : Microbial (Colorado	22Jun2022 o		Active
Microbial			Quantitation		
Contaminants	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	Free from visual mold, mildew, and — foreign matter
Salmonella	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

Carly Bade

PREPARED BY / DATE

Carly Bader 25Jun2022 12:48:00 PM MDT

Eden Thompson

Eden Thompson-Wright 27Jun2022 09:17:00 AM MDT



APPROVED BY / DATE

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Definitions

* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: $10^2 = 100 \text{ CFU}$, $10^3 = 1,000 \text{ CFU}$, $10^4 = 10,000 \text{ CFU}$, $10^5 = 100,000 \text{ CFU}$ CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection

ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation STEC = Shiga Toxin-Producing E. coli

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CERTIFICATE OF ANALYSIS

Prepared for: Elixinol LLC

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

Batch ID or Lot Number: 220118	Test: Pesticides	Reported: 28Jun2022	USDA License: NA
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000211366	27Jun2022	NA
	Method(s):	Received:	Status:
	TM17 (LC-QQ LC MS/MS)	22Jun2022	NA

Pesticides	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)
Abamectin	338 - 2613	ND	Malathion	285 - 2711	ND
Acephate	36 - 2798	ND	Metalaxyl	48 - 2710	ND
Acetamiprid	44 - 2766	ND	Methiocarb	41 - 2770	ND
Azoxystrobin	49 - 2726	ND	Methomyl	42 - 2759	ND
Bifenazate	48 - 2719	ND	MGK 264 1	144 - 1643	ND
Boscalid	62 - 2708	ND	MGK 264 2	116 - 1152	ND
Carbaryl	40 - 2787	ND	Myclobutanil	48 - 2742	ND
Carbofuran	47 - 2720	ND	Naled	45 - 2712	ND
Chlorantraniliprole	43 - 2797	ND	Oxamyl	45 - 2776	ND
Chlorpyrifos	38 - 2854	ND	Paclobutrazol	49 - 2705	ND
Clofentezine	296 - 2749	ND	Permethrin	290 - 2808	ND
Diazinon	282 - 2742	ND	Phosmet	44 - 2728	ND
Dichlorvos	287 - 2780	ND	Prophos	263 - 2762	ND
Dimethoate	46 - 2740	ND	Propoxur	48 - 2735	ND
E-Fenpyroximate	240 - 2759	ND	Pyridaben	266 - 2802	ND
Etofenprox	44 - 2761	ND	Spinosad A	41 - 2198	ND
Etoxazole	280 - 2727	ND	Spinosad D	49 - 494	ND
Fenoxycarb	46 - 2733	ND	Spiromesifen	236 - 2767	ND
Fipronil	34 - 2841	ND	Spirotetramat	280 - 2691	ND
Flonicamid	45 - 2744	ND	Spiroxamine 1	20 - 1173	ND
Fludioxonil	260 - 2691	ND	Spiroxamine 2	25 - 1552	ND
Hexythiazox	49 - 2751	ND	Tebuconazole	287 - 2746	ND
Imazalil	282 - 2720	ND	Thiacloprid	44 - 2743	ND
Imidacloprid	46 - 2783	ND	Thiamethoxam	40 - 2778	ND
Kresoxim-methyl	47 - 2724	ND	Trifloxystrobin	48 - 2713	ND

Final Approval

Danuel Wards

Daniel Weidensaul 28Jun2022 08:49:00 PM MDT

Cauthy Richard

APPROVED BY / DATE

Courtney Richards 28Jun2022 12:00:00 AM MDT



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Definitions

PREPARED BY / DATE

ND = None Detected (defined by dynamic range of the method)

Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

ppb = Parts Per Billion

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prepared for: Elixinol LLC

10170 Church Ranch Way, Ste 400 Westminster, CO 80021

500mg Natural Tincture - 220118

Batch ID:	220118	Test ID:	T000211371
Туре:	Concentrate	Submitted:	06/22/2022 @ 09:02 AM
Test:	Mycotoxins	Started:	4/6/2021
Method:	TM18 (UHPLC-QQQ LC MS/MS)	Reported:	6/23/2022

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Specification (ppb)	Status
Ochratoxin A	4.9 - 130.8	ND	20	Pass
Aflatoxin B1	1 - 32.7	ND	N/A	N/A
Aflatoxin B2	1.1 - 32.6	ND	N/A	N/A
Aflatoxin G1	1 - 33	ND	N/A	N/A
Aflatoxin G2	1 - 33.2	ND	N/A	N/A
Total Aflatoxins (B1, B2, G1, and G2)		ND	20	Pass

* ND = None Detected (Defined by Dynamic Range of the method)

NOTES

N/A FINAL APPROVAL

Samantha Smith	Sam Smith 23-lun-2022 4:29 PM	1/his	lacob Miller 23-lun-2022 4:36 PM	Pass
PREPARED BY / DATE	4.29 1 10	APPROVED BY / DATE	4.501 10	FINAL STATUS
Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory				

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Certificate of Analysis

Elixinol, LLC

10170 Church Ranch Westminster Colorado 80021

ample Name:	500mg Natural Tincture - 220118	Eurofins Sample:	11875360
roject ID	ELIXINOL-20220621-0021	Receipt Date	24-Jun-2022
O Number		Receipt Condition	Ambient temperature
ot Number	220118	Login Date	21-Jun-2022
ample Serving Size	1 mL	Date Started	24-Jun-2022
		Sampled	Sample results apply as received
		Online Order	13484-17748FF8
Analysis			Result
Enterobacteriaceae	Plate Count *		
Enterobacteriaceae	e		<10 CFU/g
Glyphosate and AM	IPA		
Glyphosate			<100 ng/g
AMPA			<100 ng/g

Method References

Enterobacteriaceae Plate Count (EBPC)

Compendium of Methods for the Microbiological Examination of Foods: Enterobacteriaceae, Coliforms, and Escherichia coli as Quality and Safety Indicators, Chapter 8, 4th Edition, 2001.

Glyphosate and AMPA (GLY_AMPA_S)

Monsanto Company Method ME-1466-02, "High Throughput Assay for Glyphosate and AMPA in Raw Agricultural Commodities and Processed Fractions Using LC/MS/MS".

Testing Location(s)

Food Integrity Innovation-Madison

Eurofins Food Chemistry Testing Madison, Inc. 6304 Ronald Reagan Ave Madison WI 53704 800-675-8375

Released on Behalf of Eurofins by

Edward Ladwig - President Eurofins Food Chemistry Testing Madison



Testing Location

2345 S 170th St New Berlin, WI 53151 USA

Food Integrity Innovation-Madison 6304 Ronald Reagan Ave Madison, WI 53704 USA

EML New Berlin

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These results apply only to the items tested. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of Eurofins. Measurement uncertainty for individual analyses can be obtained upon request.

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