



Prepared for:

Elixinol LLC

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

Cinnamint Tincture 1000mg - Lot 220040

Batch ID or Lot Number: 220030	Test: Potency	Reported: 14Feb2022	USDA License: N/A	
Matrix:	Test ID:	Started:	Sampler ID:	
Solution	T000191193	10Feb2022	N/A	
	Method(s):	Received:	Status:	
	TM14 (HPLC-DAD): Potency –	08Feb2022	N/A	
	Standard Cannabinoid Analysis			
	(Colorado Panel)			

			Result		
Cannabinoids	LOD (mg/mL)	LOQ (mg/mL)	(mg/mL)	Result (mg/g)	
Cannabichromene (CBC)	0.052	0.169	0.621	0.66	
Cannabichromenic Acid (CBCA)	0.048	0.155	ND	ND	
Cannabidiol (CBD)	0.130	0.477	19.804	21.10	
Cannabidiolic Acid (CBDA)	0.134	0.489	0.641	0.68	
Cannabidivarin (CBDV)	0.031	0.113	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.056	0.204	ND	ND	
Cannabigerol (CBG)	0.030	0.096	0.342	0.36	
Cannabigerolic Acid (CBGA)	0.124	0.402	ND	ND	
Cannabinol (CBN)	0.039	0.125	0.048*	0.05*	
Cannabinolic Acid (CBNA)	0.085	0.274	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.148	0.479	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.134	0.435	0.768	0.82	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.119	0.385	ND	ND	
Tetrahydrocannabivarin (THCV)	0.027	0.087	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.105	0.340	ND	ND	-
Total Cannabinoids			22.224	23.68	
Total Potential THC**			0.768	0.82	
Total Potential CBD**			20.366	21.70	-

Final Approval

L Wintersheumen PREPARED BY / DATE Karen Winternheimer 11Feb2022 03:32:00 PM MST

APPROVED BY / DATE

Daniel Weidensaul 11Feb2022 03:42:00 PM MST



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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 17025:2005 Accredited A2LA.











Cert #4329.02

CT9097ed2c884910a82ac063f157b2f4.2



Prepared for:

Elixinol LLC

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

Cinnamint Tincture 1000mg - Lot 220040

Batch ID or Lot Number: 220030	Test:	Reported:	USDA License:
	Residual Solvents	11Feb2022	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000191197	10Feb2022	N/A
	Method(s):	Received:	Status:
	TM04 (GC-MS): Residual Solvents	08Feb2022	N/A

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	103 - 2064	ND	
Butanes (Isobutane, n-Butane)	209 - 4181	ND	
Methanol	59 - 1179	ND	
Pentane	100 - 2007	ND	
Ethanol	89 - 1774	ND	
Acetone	97 - 1946	ND	
Isopropyl Alcohol	98 - 1965	ND	
Hexane	6 - 125	ND	
Ethyl Acetate	98 - 1953	ND	
Benzene	0.2 - 4.0	ND	
Heptanes	98 - 1958	ND	
Toluene	18 - 356	ND	
Xylenes (m,p,o-Xylenes)	130 - 2596	ND	

Final Approval

L Wittenheumen PREPARED BY / DATE Karen Winternheimer 11Feb2022 02:06:00 PM MST

Majon Wiens
APPROVED BY / DATE

Ryan Weems 11Feb2022 02:09:00 PM MST



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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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Prepared for:

Elixinol LLC

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

Cinnamint Tincture 1000mg - Lot 220040

Batch ID or Lot Number: 220030	Test: Heavy Metals	Reported: 09Feb2022	USDA License: NA
Matrix:	Test ID:	Started:	Sampler ID:
Unit Co	T000191196	08Feb2022	NA
	Method(s):	Received:	Status:
	TM19 (ICP-MS): Heavy Metals	08Feb2022	NA

Dynamic Range (ppm)	Result (ppm)	Notes	
0.05 - 4.50	ND		
0.04 - 4.25	ND		
0.04 - 4.42	ND		
0.04 - 4.38	ND		
	0.05 - 4.50 0.04 - 4.25 0.04 - 4.42	0.05 - 4.50 ND 0.04 - 4.25 ND 0.04 - 4.42 ND	0.05 - 4.50 ND 0.04 - 4.25 ND 0.04 - 4.42 ND

Final Approval

PREPARED BY / DATE

Samantha Smull

Sam Smith 09Feb2022 12:44:00 PM MST

// APPROVED BY / DATE Ryan Weems 09Feb2022 01:00:00 PM MST

https://results.botanacor.com/api/v1/coas/uuid/b5880b9f-010b-4678-9d1b-6b03d68c7e32

Definitions

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CDPHE Certified b5880b9f010b46789d1b6b03d68c7e32.1





Prepared for:

Elixinol LLC

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

Cinnamint Tincture 1000mg - Lot 220040

Batch ID or Lot Number: 220030	Test: Microbial Contaminants	Reported: 02Mar2022	USDA License: N/A	
Matrix:	Test ID:	Started:	Sampler ID:	
Finished Product	T000191195	08Feb2022	N/A	
	Method(s):	Received:	Status:	
	TM25 (qPCR) TM24, TM26, TM27	08Feb2022	N/A	
	(Culture Plating): Microbial (Colorac	do		
	Panel)			

Microbial			Quantitation		
Contaminants	Method	LOD	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	— Toreign matter
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

Eden Thompson-Wright 11Feb2022 02:12:00 PM MST

Buanne Maillot

Brianne Maillot 11Feb2022 03:32:00 PM MST



PREPARED BY / DATE

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: 10² = 100 CFU, 10³ = 1,000 CFU, 10⁴ = 10,000 CFU, 10⁵ = 100,000 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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Prepared for:

Elixinol LLC

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

Cinnamint Tincture 1000mg - Lot 220040

Batch ID or Lot Number: 220030	Test: Pesticides	Reported: 10Feb2022	USDA License: NA
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000191194	09Feb2022	NA
	Method(s):	Received:	Status:
	TM17 (LC-QQ LC MS/MS)	08Feb2022	NA

Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	302 - 2763	ND
Acephate	42 - 2733	ND
Acetamiprid	42 - 2693	ND
Azoxystrobin	47 - 2680	ND
Bifenazate	44 - 2663	ND
Boscalid	39 - 2746	ND
Carbaryl	41 - 2719	ND
Carbofuran	42 - 2734	ND
Chlorantraniliprole	42 - 2745	ND
Chlorpyrifos	33 - 2777	ND
Clofentezine	282 - 2732	ND
Diazinon	288 - 2712	ND
Dichlorvos	286 - 2706	ND
Dimethoate	43 - 2683	ND
E-Fenpyroximate	292 - 2723	ND
Etofenprox	41 - 2761	ND
Etoxazole	289 - 2736	ND
Fenoxycarb	41 - 2700	ND
Fipronil	35 - 2642	ND
Flonicamid	44 - 2704	ND
Fludioxonil	308 - 2733	ND
Hexythiazox	39 - 2747	ND
Imazalil	274 - 2753	ND
Imidacloprid	42 - 2709	ND
Kresoxim-methyl	47 - 2726	ND

	Dynamic Range (ppb)	Result (ppb)
Malathion	293 - 2690	ND
Metalaxyl	44 - 2705	ND
Methiocarb	41 - 2733	ND
Methomyl	42 - 2695	ND
MGK 264 1	168 - 1644	ND
MGK 264 2	108 - 1144	ND
Myclobutanil	36 - 2757	ND
Naled	50 - 2795	ND
Oxamyl	41 - 2727	ND
Paclobutrazol	44 - 2713	ND
Permethrin	266 - 2766	ND
Phosmet	45 - 2681	ND
Prophos	293 - 2723	ND
Propoxur	41 - 2711	ND
Pyridaben	290 - 2772	ND
Spinosad A	33 - 2275	ND
Spinosad D	47 - 504	ND
Spiromesifen	279 - 2764	ND
Spirotetramat	309 - 2668	ND
Spiroxamine 1	17 - 1193	ND
Spiroxamine 2	23 - 1578	ND
Tebuconazole	283 - 2693	ND
Thiacloprid	42 - 2693	ND
Thiamethoxam	40 - 2690	ND
Trifloxystrobin	43 - 2731	ND

Final Approval

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Daniel Weidensaul 10Feb2022 02:48:00 PM MST Samantha Smoll

APPROVED BY / DATE

Sam Smith 10Feb2022 02:55:00 PM MST



PREPARED 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
ppb = Parts Per Billion

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Official Compliance: Colorado

CERTIFICATE OF ANALYSIS

Prepared for:

Cinnamint Tincture 1000mg - Lot 220040

Elixinol LLC

Batch ID or Lot Number: 220030	Test: Mycotoxins	Reported: 2/12/22	Location: 10170 Church Ranch Way, Ste 40(Westminster, CO 80021
Matrix: Concentrate	Test ID: T000191199	Started: 2/10/22	USDA License: N/A
Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins (Colorado Panel)	Received: 02/08/2022 @ 09:33 AM	Sampler ID: N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes	
Ochratoxin A	3.3 - 140.5	ND	N/A	
Aflatoxin B1	1 - 35.7	ND		
Aflatoxin B2	1.1 - 35.4	ND		
Aflatoxin G1	1.1 - 35.5	ND		
Aflatoxin G2	1.3 - 35	ND		
Total Aflatoxins (B1, B2, G1, and G2)		ND		

—

Ryan Weems 12-Feb-22 9:00 AM

Samantha Smill

Sam Smith 12-Feb-22 9:14 AM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

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CDPHE Certified





Certificate #4329.02

Report Number: 3566645-0

Report Date: 15-Feb-2022

Report Status: Final

Certificate of Analysis

Elixinol, LLC

10170 Church Ranch

Westminster Colorado 80021 United States

Sample Name:	Cinnamint Tincture 1000mg - 220040	Eurofins Sample:	11408951
Project ID	ELIXINOL-20220203-0003	Receipt Date	09-Feb-2022
PO Number	cvd	Receipt Condition	Ambient temperature
Lot Number	220030	Login Date	03-Feb-2022
Sample Serving Size	1 mL	Date Started	09-Feb-2022
J		Sampled	Sample results apply as received
		Online Order	13484-16BEB3F9
Analysis			Result

Method References Testing Location

Enterobacteriaceae Plate Count (EBPC)

EML New Berlin

2345 S 170th St New Berlin, WI 53151 USA

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)

Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

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)

Released on Behalf of Eurofins by

Food Integrity Innovation-Madison

Edward Ladwig - President Eurofins Food Chemistry Testing Madison

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





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* This analysis or component is not ISO accredited.

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