

CERTIFICATE OF ANALYSIS

Prepared for:
Elixinol LLC

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

Cinnamint 4000mg Tincture - 220116

| | | | |
|--|---|-------------------------------|----------------------|
| Batch ID or Lot Number: 220116 | Test: Potency | Reported: 23Jun2022 | USDA License: N/A |
| Matrix: Solution | Test ID: T000210951 | Started: 22Jun2022 | Sampler ID: N/A |
| | Method(s): TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis | Received: 17Jun2022 | Status: Active |

Cannabinoids

| | LOD (mg/mL) | LOQ (mg/mL) | Result (mg/mL) | Result (mg/g) | Notes |
|--|-------------|-------------|----------------|---------------|---------------------------|
| Cannabichromene (CBC) | 0.176 | 0.519 | 0.595 | 0.63 | Density = 0.939644g/mL |
| Cannabichromenic Acid (CBCA) | 0.161 | 0.474 | ND | ND | |
| Cannabidiol (CBD) | 0.430 | 1.326 | 39.696 | 42.25 | |
| Cannabidiolic Acid (CBDA) | 0.441 | 1.360 | ND | ND | |
| Cannabidivarin (CBDV) | 0.102 | 0.314 | 0.370 | 0.39 | |
| Cannabidivarinic Acid (CBDVA) | 0.184 | 0.567 | ND | ND | |
| Cannabigerol (CBG) | 0.100 | 0.294 | 0.327 | 0.35 | |
| Cannabigerolic Acid (CBGA) | 0.417 | 1.231 | ND | ND | |
| Cannabinol (CBN) | 0.130 | 0.384 | ND | ND | |
| Cannabinolic Acid (CBNA) | 0.285 | 0.840 | ND | ND | |
| Delta 8-Tetrahydrocannabinol (Delta 8-THC) | 0.497 | 1.466 | ND | ND | |
| Delta 9-Tetrahydrocannabinol (Delta 9-THC) | 0.452 | 1.332 | 1.199 | 1.28 | |
| Delta 9-Tetrahydrocannabinolic Acid (THCA-A) | 0.400 | 1.180 | ND | ND | |
| Tetrahydrocannabivarin (THCV) | 0.091 | 0.268 | ND | ND | |
| Tetrahydrocannabivarinic Acid (THCVA) | 0.353 | 1.041 | ND | ND | |
| Total Cannabinoids | | | 42.187 | 44.90 | |
| Total Potential THC | | | 1.199 | 1.28 | |
| Total Potential CBD | | | 39.696 | 42.25 | |

Final Approval



Daniel Weidensaul
23Jun2022
05:02:00 PM MDT

PREPARED BY / DATE



Karen Winternheimer
23Jun2022
05:07:00 PM MDT

APPROVED BY / DATE


<https://results.botanacor.com/api/v1/coas/uuid/ec5c8313-8425-441c-80de-5123a58bb15b>

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)).

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Cert #4329.02

CDPHE Certified

ec5c83138425441c80de5123a58bb15b.1

CERTIFICATE OF ANALYSIS

Prepared for:

Elixinol LLC10170 Church Ranch Way, Ste 400
Westminster, CO USA 80021**Cinnamint 4000mg Tincture - 220116**

| | | | |
|--|---|-------------------------------|----------------------|
| Batch ID or Lot Number: 220116 | Test: Residual Solvents | Reported: 21Jun2022 | USDA License: N/A |
| Matrix: Concentrate | Test ID: T000210955 | Started: 21Jun2022 | Sampler ID: N/A |
| | Method(s): TM04 (GC-MS): Residual Solvents | Received: 17Jun2022 | Status: Active |

Residual Solvents

| | Dynamic Range (ppm) | Result (ppm) | Notes |
|-------------------------------|---------------------|--------------|-------|
| Propane | 81 - 1620 | ND | |
| Butanes (Isobutane, n-Butane) | 124 - 2472 | ND | |
| Methanol | 49 - 977 | ND | |
| Pentane | 70 - 1396 | ND | |
| Ethanol | 72 - 1441 | ND | |
| Acetone | 79 - 1585 | ND | |
| Isopropyl Alcohol | 86 - 1726 | ND | |
| Hexane | 5 - 96 | ND | |
| Ethyl Acetate | 81 - 1618 | ND | |
| Benzene | 0.2 - 3.4 | ND | |
| Heptanes | 79 - 1590 | ND | |
| Toluene | 15 - 292 | ND | |
| Xylenes (m,p,o-Xylenes) | 107 - 2146 | ND | |

Final ApprovalJacob Miller
21Jun2022
03:50:00 PM MDT

PREPARED BY / DATE

Sam Smith
21Jun2022
03:56:00 PM MDT

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/5b2fe596-de3b-4c65-8010-29ade9e2f31d>**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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Cert #4329.02



CDPHE Certified

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CERTIFICATE OF ANALYSIS

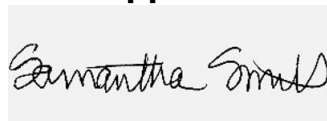
Prepared for:

Elixinol LLC10170 Church Ranch Way, Ste 400
Westminster, CO USA 80021**Cinnamint 4000mg Tincture - 220116**

| | | | |
|--|---|-------------------------------|---------------------|
| Batch ID or Lot Number: 220116 | Test: Heavy Metals | Reported: 23Jun2022 | USDA License: NA |
| Matrix: Unit Co | Test ID: T000210954 | Started: 23Jun2022 | Sampler ID: NA |
| | Method(s): TM19 (ICP-MS): Heavy Metals | Received: 17Jun2022 | Status: NA |

Heavy Metals

| | Dynamic Range (ppm) | Result (ppm) | Notes |
|---------|---------------------|--------------|-------|
| Arsenic | 0.08 - 7.89 | ND | |
| Cadmium | 0.08 - 7.93 | ND | |
| Mercury | 0.08 - 7.81 | ND | |
| Lead | 0.08 - 8.18 | ND | |

Final ApprovalSam Smith
23Jun2022
05:02:00 PM MDT

PREPARED BY / DATE

Daniel Weidensaul
23Jun2022
05:04:00 PM MDT

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/44ceea0a-3986-4548-a9d5-7ce74d796eb8>**Definitions**

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

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Cert #4329.02



CDPHE Certified

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CERTIFICATE OF ANALYSIS

Prepared for:
Elixinol LLC

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

Cinnamint 4000mg Tincture - 220116


| | | | |
|--|---|-------------------------------|----------------------|
| Batch ID or Lot Number: 220116 | Test: Microbial Contaminants | Reported: 21Jun2022 | USDA License: N/A |
| Matrix: Finished Product | Test ID: T000210953 | Started: 17Jun2022 | Sampler ID: N/A |
| | Method(s): TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel) | Received: 17Jun2022 | Status: Active |

Microbial

Contaminants

| | 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



Eden Thompson-Wright
21Jun2022
04:04:00 PM MDT



Carly Bader
21Jun2022
05:11:00 PM MDT



PREPARED BY / DATE

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/c13e439c-db5b-40ce-ac6c-0380812d7ec8>

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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CDPHE Certified
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Prepared for:
Elixinol LLC

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

Cinnamint 4000mg Tincture - 220116

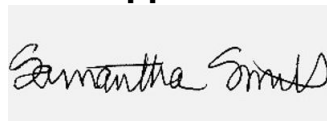
| | | | |
|--|-------------------------------------|-------------------------------|---------------------|
| Batch ID or Lot Number: 220116 | Test: Pesticides | Reported: 22Jun2022 | USDA License: NA |
| Matrix: Concentrate | Test ID: T000210952 | Started: 21Jun2022 | Sampler ID: NA |
| | Method(s): TM17 (LC-QQ LC MS/MS) | Received: 17Jun2022 | Status: NA |

Pesticides

| | Dynamic Range (ppb) | Result (ppb) |
|---------------------|---------------------|--------------|
| Abamectin | 263 - 2783 | ND |
| Acephate | 40 - 2860 | ND |
| Acetamiprid | 39 - 2791 | ND |
| Azoxystrobin | 41 - 2699 | ND |
| Bifenazate | 46 - 2691 | ND |
| Boscalid | 25 - 2752 | ND |
| Carbaryl | 39 - 2732 | ND |
| Carbofuran | 44 - 2720 | ND |
| Chlorantraniliprole | 46 - 2697 | ND |
| Chlorpyrifos | 36 - 2758 | ND |
| Clofentezine | 287 - 2699 | ND |
| Diazinon | 289 - 2732 | ND |
| Dichlorvos | 263 - 2840 | ND |
| Dimethoate | 38 - 2795 | ND |
| E-Fenpyroximate | 308 - 2698 | ND |
| Etofenprox | 35 - 2760 | ND |
| Etoxazole | 293 - 2712 | ND |
| Fenoxycarb | 38 - 2695 | ND |
| Fipronil | 22 - 2770 | ND |
| Flonicamid | 54 - 2783 | ND |
| Fludioxonil | 278 - 2740 | ND |
| Hexythiazox | 34 - 2718 | ND |
| Imazalil | 277 - 2721 | ND |
| Imidacloprid | 38 - 2792 | ND |
| Kresoxim-methyl | 47 - 2758 | ND |

| | Dynamic Range (ppb) | Result (ppb) |
|-----------------|---------------------|--------------|
| Malathion | 299 - 2719 | ND |
| Metalaxyl | 46 - 2726 | ND |
| Methiocarb | 36 - 2754 | ND |
| Methomyl | 39 - 2825 | ND |
| MGK 264 1 | 165 - 1658 | ND |
| MGK 264 2 | 107 - 1142 | ND |
| Myclobutanil | 22 - 2768 | ND |
| Naled | 45 - 2734 | ND |
| Oxamyl | 38 - 2825 | ND |
| Paclobutrazol | 62 - 2612 | ND |
| Permethrin | 253 - 2786 | ND |
| Phosmet | 49 - 2701 | ND |
| Prophos | 254 - 2776 | ND |
| Propoxur | 41 - 2705 | ND |
| Pyridaben | 287 - 2730 | ND |
| Spinosad A | 33 - 2228 | ND |
| Spinosad D | 48 - 491 | ND |
| Spiromesifen | 244 - 2771 | ND |
| Spirotetramat | 303 - 2712 | ND |
| Spiroxamine 1 | 15 - 1177 | ND |
| Spiroxamine 2 | 20 - 1558 | ND |
| Tebuconazole | 365 - 2621 | ND |
| Thiacloprid | 41 - 2816 | ND |
| Thiamethoxam | 39 - 2797 | ND |
| Trifloxystrobin | 43 - 2729 | ND |

Final Approval



Sam Smith
22Jun2022
04:52:00 PM MDT

PREPARED BY / DATE



Karen Winternheimer
22Jun2022
04:54:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/c0d0f473-45f2-4e0e-bd5f-465de28177e6>

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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Cert #4329.02
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Cinnamint 4000mg Tincture - 220116

| | | | |
|------------------|---------------------------|-------------------|-----------------------|
| Batch ID: | 220116 | Test ID: | T000210957 |
| Type: | Concentrate | Submitted: | 06/17/2022 @ 10:46 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 | 5.1 - 136.1 | ND | 20 | Pass |
| Aflatoxin B1 | 1.1 - 34 | ND | N/A | N/A |
| Aflatoxin B2 | 1.2 - 33.9 | ND | N/A | N/A |
| Aflatoxin G1 | 1.1 - 34.4 | ND | N/A | N/A |
| Aflatoxin G2 | 1.1 - 34.5 | 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

| | | | | |
|--|-------------------------------------|---|--|----------------------|
|  PREPARED BY / DATE | Sam Smith 23-Jun-2022 4:29 PM |  APPROVED BY / DATE | Jacob Miller 23-Jun-2022 4:36 PM | Pass 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 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.

Certificate of Analysis

Elixinol, LLC

10170 Church Ranch
Westminster Colorado 80021

| | | | |
|----------------------------|---|--------------------------|----------------------------------|
| Sample Name: | Cinnamint 4000mg Tincture - 220116 | Eurofins Sample: | 11875923 |
| Project ID | ELIXINOL-20220621-0022 | Receipt Date | 21-Jun-2022 |
| PO Number | NA | Receipt Condition | Ambient temperature |
| Lot Number | 220116 | Login Date | 21-Jun-2022 |
| Sample Serving Size | 1 mL | Date Started | 23-Jun-2022 |
| | | Sampled | Sample results apply as received |
| | | Number Composited | 2 |
| | | Online Order | 13484-176E1334 |

Analysis

Result

Enterobacteriaceae Plate Count *

Enterobacteriaceae <10 CFU/g

Glyphosate and AMPA

Glyphosate <100 ng/g

AMPA <100 ng/g

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



2918.01

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* This analysis or component is not ISO accredited.

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