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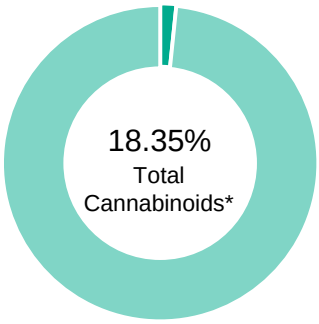
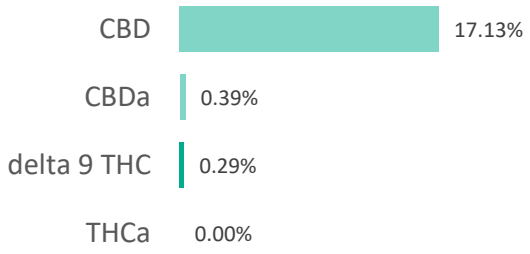
# CERTIFICATE OF ANALYSIS

## Signature tincture

| | | | |
|---|---|---|---|
| **Batch ID:** | 5001 | **Test ID:** | T000110006 |
| **Type:** | Concentrate | **Submitted:** | 11/16/2020 @ 09:22 AM |
| **Test:** | Potency | **Started:** | 11/17/2020 |
| **Method:** | TM14 | **Reported:** | 11/18/2020 |

## CANNABINOID PROFILE




| Compound | LOQ (%) | Result (%) | Result (mg/g) |
|---|---|---|---|
| Delta 9-Tetrahydrocannabinolic acid (THCA-A) | 0.09 | ND | ND |
| Delta 9-Tetrahydrocannabinol (Delta 9THC) | 0.04 | 0.29 | 2.9 |
| Cannabidiolic acid (CBDA) | 0.02 | 0.39 | 3.9 |
| Cannabidiol (CBD) | 0.04 | 17.13 | 171.3 |
| Delta 8-Tetrahydrocannabinol (Delta 8THC) | 0.05 | ND | ND |
| Cannabinolic Acid (CBNA) | 0.12 | ND | ND |
| Cannabinol (CBN) | 0.05 | ND | ND |
| Cannabigerolic acid (CBGA) | 0.08 | ND | ND |
| Cannabigerol (CBG) | 0.04 | 0.18 | 1.8 |
| Tetrahydrocannabivarinic Acid (THCVA) | 0.08 | ND | ND |
| Tetrahydrocannabivarin (THCV) | 0.04 | ND | ND |
| Cannabidivarinic Acid (CBDVA) | 0.02 | ND | ND |
| Cannabidivarin (CBDV) | 0.01 | 0.06 | 0.6 |
| Cannabichromenic Acid (CBCA) | 0.07 | ND | ND |
| Cannabichromene (CBC) | 0.08 | 0.30 | 3.0 |
| **Total Cannabinoids** | | **18.35** | **183.5** |
| Total Potential THC** | | 0.29 | 2.9 |
| Total Potential CBD** | | 17.47 | 174.7 |

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)
* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.
** Total Potential THC/CBD 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)) and
Total CBD = CBD + (CBDa *(0.877))
ND = None Detected (Defined by Dynamic Range of the method)

NOTES:
N/A

## FINAL APPROVAL

Mara Miller
18-Nov-2020
3:37 PM
PREPARED BY / DATE

Greg Zimpfer
18-Nov-2020
4:52 PM
APPROVED BY / DATE

*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 Certificate Number 4329.02*

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Certificate #4329.02

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CERTIFICATE OF ANALYSIS

## Trifecta

| | | | |
|---|---|---|---|
| **Batch ID:** | 4002 | **Test ID:** | T000110003 |
| **Type:** | Edible | **Submitted:** | 11/16/2020 @ 09:22 AM |
| **Test:** | Microbial Contaminants | **Started:** | 11/17/2020 |
| **Method:** | TM24, TM25, TM26, TM27, TM28 | **Reported:** | 11/20/2020 |

## MICROBIAL CONTAMINANTS

| Contaminant | Result (CFU/g)* |
|---|---|
| ***Total Aerobic Count*** | None Detected |
| ***Total Conforms*** | None Detected |
| **Total Yeast and Molds** | None Detected |
| **E. coli** | Absent |
| ***STEC and 0157 E. coli*** | None Detected |
| ***Salmonella*** | None Detected |

** CFU/g = Colony Forming Unit 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*

NOTES:
Free from visual mold, mildew, and foreign matter
TYM: None Detected
Total Aerobic: None Detected
Conforms: None Detected

## FINAL APPROVAL

Sarah Henning
20-Nov-2020
3:58 PM

PREPARED BY / DATE

Ben Minton
20-Nov-2020
4:50 PM

APPROVED BY / DATE

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Certificate #4329.03

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# CERTIFICATE OF ANALYSIS

## Trifecta

| | | | |
|---|---|---|---|
| **Batch ID:** | 4002 | **Test ID:** | T000110004 |
| **Type:** | Concentrate | **Submitted:** | 11/16/2020 @ 09:22 AM |
| **Test:** | Pesticides | **Started:** | 11/16/2020 |
| **Method:** | TM17 | **Reported:** | 11/18/2020 |

## PESTICIDE RESIDUE

| Compound | Dynamic Range (ppb) | Result (ppb) |
|---|---|---|
| Acephate | 53 - 2528 | ND* |
| Acetamiprid | 40 - 2528 | ND* |
| Abamectin | >352 | ND* |
| Azoxystrobin | 44 - 2528 | ND* |
| Bifenazate | 42 - 2528 | ND* |
| Boscalid | 55 - 2528 | ND* |
| Carbaryl | 42 - 2528 | ND* |
| Carbofuran | 42 - 2528 | ND* |
| Chlorantraniliprole | 50 - 2528 | ND* |
| Chlorpyrifos | 44 - 2528 | ND* |
| Clofentezine | 305 - 2528 | ND* |
| Diazinon | 289 - 2528 | ND* |
| Dichlorvos | >282 | ND* |
| Dimethoate | 40 - 2528 | ND* |
| E-Fenpyroximate | 271 - 2528 | ND* |
| Etofenprox | 42 - 2528 | ND* |
| Etoxazole | 307 - 2528 | ND* |
| Fenoxycarb | >41 | ND* |
| Fipronil | 32 - 2528 | ND* |
| Flonicamid | 59 - 2528 | ND* |
| Fludioxonil | >335 | ND* |
| Hexythiazox | 43 - 2528 | ND* |
| Imazalil | 291 - 2528 | ND* |
| Imidacloprid | 40 - 2528 | ND* |
| Kresoxim-methyl | 47 - 2528 | ND* |

| Compound | Dynamic Range (ppb) | Result (ppb) |
|---|---|---|
| Malathion | 280 - 2528 | ND* |
| Metalaxyl | 41 - 2528 | ND* |
| Methiocarb | 39 - 2528 | ND* |
| Methomyl | 44 - 2528 | ND* |
| MGK 264 1 | 156 - 2528 | ND* |
| MGK 264 2 | 116 - 2528 | ND* |
| Myclobutanil | 39 - 2528 | ND* |
| Naled | 52 - 2528 | ND* |
| Oxamyl | 42 - 2528 | ND* |
| Paclobutrazol | 45 - 2528 | ND* |
| Permethrin | 316 - 2528 | ND* |
| Phosmet | 43 - 2528 | ND* |
| Prophos | 324 - 2528 | ND* |
| Propoxur | 42 - 2528 | ND* |
| Pyridaben | 296 - 2528 | ND* |
| Spinosad A | 33 - 2528 | ND* |
| Spinosad D | 86 - 2528 | ND* |
| Spiromesifen | >280 | ND* |
| Spirotetramat | >260 | ND* |
| Spiroxamine 1 | 18 - 2528 | ND* |
| Spiroxamine 2 | 23 - 2528 | ND* |
| Tebuconazole | 289 - 2528 | ND* |
| Thiacloprid | 39 - 2528 | ND* |
| Thiamethoxam | 45 - 2528 | ND* |
| Trifloxystrobin | 49 - 2528 | ND* |

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

N/A

## FINAL APPROVAL

Tyler Wiese
18-Nov-2020
3:47 PM

PREPARED BY / DATE

Ben Minton
18-Nov-2020
3:53 PM

APPROVED BY / DATE

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## Trifecta

| | | | |
|---|---|---|---|
| **Batch ID:** | 4002 | **Test ID:** | T000110005 |
| **Type:** | Other | **Submitted:** | 11/16/2020 @ 09:22 AM |
| **Test:** | Metals | **Started:** | 11/17/2020 |
| **Method:** | TM19 | **Reported:** | 11/18/2020 |

## HEAVY METALS

| Analyte | Dynamic Range (ppm) | Result (ppm) |
|---|---|---|
| **Arsenic** | 0.076 - 7.63 | ND |
| **Cadmium** | 0.078 - 7.82 | ND |
| **Mercury** | 0.076 - 7.60 | ND |
| **Lead** | 0.080 - 8.05 | ND |

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

## FINAL APPROVAL

Daniel Weidensaul
18-Nov-2020
4:27 PM

PREPARED BY / DATE

Greg Zimpfer
18-Nov-2020
5:05 PM

APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

Trifecta

| | | | |
|---|---|---|---|
| **Batch ID:** | 4002 | **Test ID:** | T000110002 |
| **Type:** | Concentrate | **Submitted:** | 11/16/2020 @ 09:22 AM |
| **Test:** | Residual Solvents | **Started:** | 11/18/2020 |
| **Method:** | TM04 | **Reported:** | 11/18/2020 |

## RESIDUAL SOLVENTS

| Solvent | Dynamic Range (ppm) | Result (ppm) |
|---|---|---|
| Propane | 107 - 2130 | *ND |
| Butanes (Isobutane, n-Butane) | 200 - 3991 | *ND |
| Methanol | 67 - 1344 | *ND |
| Pentane | 100 - 1994 | *ND |
| Ethanol | 104 - 2081 | *ND |
| Acetone | 100 - 2009 | *ND |
| Isopropyl Alcohol | 109 - 2171 | *ND |
| Hexane | 6 - 123 | *ND |
| Ethyl Acetate | 103 - 2050 | *ND |
| Benzene | 0.2 - 4 | *ND |
| Heptanes | 100 - 2004 | *ND |
| Toluene | 18 - 364 | *ND |
| Xylenes (m,p,o-Xylenes) | 131 - 2621 | *ND |

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

NOTES:
N/A

## FINAL APPROVAL

Michele Gagnon
18-Nov-2020
3:02 PM

PREPARED BY / DATE

Greg Zimpfer
18-Nov-2020
4:54 PM

APPROVED BY / DATE

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