

Tincture RA002

Sample ID: 2101PSI0278.01010
Strain: N/A
Matrix: Ingestible
Type: Tincture

METRC Batch ID:
METRC Sample:

Produced:
Date Received: 01/26/2021
Completed: 01/28/2021
Sample Size: - ; Batch: -

Arbor Botanicals
Lic. #
605 S Maple
Ann Arbor, MI 48103

Cannabinoids

57.35

Δ9-THC (mg/unit)

1933.21

CBD (mg/unit)



Testing Method: HPLC-DAD / SOP - PSIMTDA
Date Tested: 01/28/2021
1 Unit = 1 fl oz, 27.1g

| Analyte | LOQ | Mass | Mass |
|--------------|---------|----------------|--------------|
| | mg/unit | mg/unit | mg/g |
| THCa | 13.45 | ND | ND |
| Δ9-THC | 13.45 | 57.35 | 2.12 |
| Δ8-THC | 13.45 | ND | ND |
| CBDa | 13.45 | ND | ND |
| CBD | 13.45 | 1933.21 | 71.34 |
| CBN | 13.45 | 22.26 | 0.82 |
| Total | | 2012.82 | 74.27 |

Total THC = THCa * 0.877 + Δ9-THC
Total CBD = CBDa * 0.877 + CBD
LOQ = Limit of Quantitation, ND = Not Detected; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.

Safety

Foreign Matter Visual Exam / SOP - PSIMTDF **Pass**

Notes: d9-THC 0.21% wt, CBD 7.13% wt



L. Spivak

Lev Spivak-Birndorf
CSO



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Arbor Botanicals
Lic. #
605 S Maple
Ann Arbor, MI 48103

Foreign Matter

Pass



Notes:

Date Tested:
Testing Method: Visual Exam / SOP - PSIMTDF



Lev Spivak-Birndorf
CSO



This product has been tested by PSI Labs using valid testing methodologies in compliance with state law. Values reported relate only to the product tested. PSI Labs makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced, except in full, without the written approval of PSI Labs.

RRSP - Microbes

| | | | |
|------------------|------------------------|-----------------|--|
| Batch ID: | N/A | Test ID: | T000089413 |
| Reported: | 10-Aug-2020 | Method: | Concentrate - Test Methods: TM05, TM06 |
| Type: | Concentrate | | |
| Test: | Microbial Contaminants | | |

MICROBIAL CONTAMINANTS

| Contaminant | Result (CFU/g)* |
|--------------------------------|-----------------|
| Total Aerobic Count** | None Detected |
| Total Coliforms** | None Detected |
| Total Yeast and Molds** | None Detected |
| <i>E. coli</i> | None Detected |
| <i>Salmonella</i> | 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

FINAL APPROVAL


Sarah Henning
10-Aug-2020
3:17 PM
Ben Minton
10-Aug-2020
7:43 PM

PREPARED BY / DATE

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 4329.03



Certificate #4329.03

RRSP - Contam

| | | | |
|------------------|-------------|-----------------|--------------|
| Batch ID: | | Test ID: | 8451582.0019 |
| Reported: | 10-Aug-2020 | Method: | TM17 |
| Type: | Concentrate | | |
| Test: | Pesticides | | |


PESTICIDE RESIDUE


| Compound | Dynamic Range (ppb) | Result (ppb) | Compound | Dynamic Range (ppb) | Result (ppb) |
|---------------------|---------------------|--------------|-----------------|---------------------|--------------|
| Acephate | 43 - 2646 | ND* | Malathion | 314 - 2646 | ND* |
| Acetamiprid | 43 - 2646 | ND* | Metalaxyl | 44 - 2646 | ND* |
| Abamectin | >314 | ND* | Methiocarb | 41 - 2646 | ND* |
| Azoxystrobin | 46 - 2646 | ND* | Methomyl | 41 - 2646 | ND* |
| Bifenazate | 40 - 2646 | ND* | MGK 264 1 | 180 - 2646 | ND* |
| Boscalid | 44 - 2646 | ND* | MGK 264 2 | 107 - 2646 | ND* |
| Carbaryl | 45 - 2646 | ND* | Myclobutanil | 47 - 2646 | ND* |
| Carbofuran | 44 - 2646 | ND* | Naled | 52 - 2646 | ND* |
| Chlorantraniliprole | 53 - 2646 | ND* | Oxamyl | 40 - 2646 | ND* |
| Chlorpyrifos | 50 - 2646 | ND* | Paclobutrazol | 46 - 2646 | ND* |
| Clofentezine | 305 - 2646 | ND* | Permethrin | 295 - 2646 | ND* |
| Diazinon | 305 - 2646 | ND* | Phosmet | 43 - 2646 | ND* |
| Dichlorvos | >290 | ND* | Prophos | 300 - 2646 | ND* |
| Dimethoate | 41 - 2646 | ND* | Propoxur | 42 - 2646 | ND* |
| E-Fenpyroximate | 292 - 2646 | ND* | Pyridaben | 301 - 2646 | ND* |
| Etofenprox | 44 - 2646 | ND* | Spinosad A | 31 - 2646 | ND* |
| Etoxazole | 311 - 2646 | ND* | Spinosad D | 84 - 2646 | ND* |
| Fenoxycarb | >46 | ND* | Spiromesifen | >285 | ND* |
| Fipronil | 44 - 2646 | ND* | Spirotetramat | >305 | ND* |
| Flonicamid | 40 - 2646 | ND* | Spiroxamine 1 | 19 - 2646 | ND* |
| Fludioxonil | >308 | ND* | Spiroxamine 2 | 24 - 2646 | ND* |
| Hexythiazox | 46 - 2646 | ND* | Tebuconazole | 302 - 2646 | ND* |
| Imazalil | 286 - 2646 | ND* | Thiacloprid | 42 - 2646 | ND* |
| Imidacloprid | 43 - 2646 | ND* | Thiamethoxam | 43 - 2646 | ND* |
| Kresoxim-methyl | 45 - 2646 | ND* | Trifloxystrobin | 45 - 2646 | ND* |

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

N/A

FINAL APPROVAL


 Tyler Wiese
 10-Aug-2020
 4:58 PM
 PREPARED BY / DATE


 Ben Minton
 10-Aug-2020
 6:18 PM
 APPROVED BY / DATE

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RRSP - Contam

| | | | |
|------------------|-------------------|-----------------|------------|
| Batch ID: | | Test ID: | T000089414 |
| Reported: | 10-Aug-2020 | Method: | TM04 |
| Type: | Concentrate | | |
| Test: | Residual Solvents | | |


RESIDUAL SOLVENTS

| Solvent | Dynamic Range (ppm) | Result (ppm) |
|----------------------------------|---------------------|--------------|
| Propane | 89 - 1778 | *ND |
| Butanes (Isobutane, n-Butane) | 169 - 3374 | *ND |
| Methanol | 59 - 1176 | *ND |
| Pentane | 89 - 1778 | *ND |
| Ethanol | 82 - 1647 | *ND |
| Acetone | 97 - 1947 | *ND |
| Isopropyl Alcohol | 102 - 2030 | *ND |
| Hexane | 6 - 121 | *ND |
| Ethyl Acetate | 97 - 1949 | *ND |
| Benzene | 0.2 - 3.9 | *ND |
| Heptanes | 93 - 1855 | *ND |
| Toluene | 18 - 358 | *ND |
| Xylenes (m,p,o-Xylenes) | 131 - 2617 | *ND |


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

NOTES:
N/A

FINAL APPROVAL


Ryan Weems
10-Aug-2020
3:24 PM

PREPARED BY / DATE


Ben Minton
10-Aug-2020
5:55 PM

APPROVED BY / DATE

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Certificate #4329.02

RRSP - Contam


| | | | |
|------------------|-------------|-----------------|------------|
| Batch ID: | N/A | Test ID: | T000089416 |
| Reported: | 10-Aug-2020 | Method: | TM19 |
| Type: | Concentrate | | |
| Test: | Metals | | |

HEAVY METALS

| Analyte | Dynamic Range (ppm) | Result (ppm) |
|---------|---------------------|--------------|
| Arsenic | 0.082 - 8.19 | ND |
| Cadmium | 0.086 - 8.58 | ND |
| Mercury | 0.080 - 7.97 | ND |
| Lead | 0.087 - 8.69 | ND |

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

FINAL APPROVAL



Ryan Weems
10-Aug-2020
4:48 PM

PREPARED BY / DATE



Ben Minton
10-Aug-2020
7:08 PM

APPROVED BY / DATE

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