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# CERTIFICATE OF ANALYSIS

prepared for: PROLEVE DISTRIBUTION

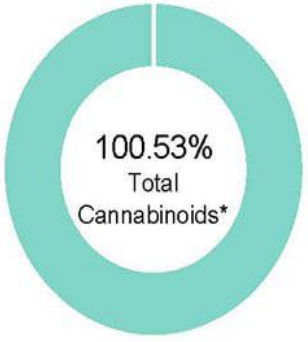
*N/A*

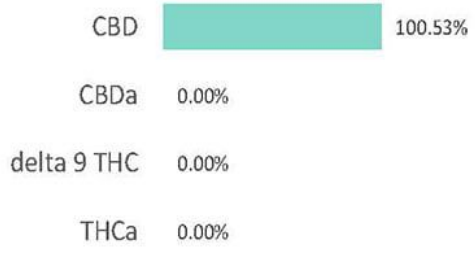
*N/A, N/A N/A*

## CBD ISOLATE

| | | | |
|---|---|---|---|
| **Batch ID:** | | **Test ID:** | 2616743.0021 |
| **Reported:** | 30-Oct-2019 | **Method:** | TM14 |
| **Type:** | Concentrate | | |
| **Test:** | Potency | | |

## CANNABINOID PROFILE




| Compound | LOQ (%) | Result (%) | Result (mg/g) |
|---|---|---|---|
| Delta 9-Tetrahydrocannabinolic acid (THCA-A) | 0.22 | 0.00 | 0.0 |
| Delta 9-Tetrahydrocannabinol (Delta 9THC) | 0.11 | 0.00 | 0.0 |
| Cannabidiolic acid (CBDA) | 0.38 | 0.00 | 0.0 |
| Cannabidiol (CBD) | 0.21 | 100.53 | 1005.3 |
| Delta 8-Tetrahydrocannabinol (Delta 8THC) | 0.12 | 0.00 | 0.0 |
| Cannabinolic Acid (CBNA) | 0.30 | 0.00 | 0.0 |
| Cannabinol (CBN) | 0.13 | 0.00 | 0.0 |
| Cannabigerolic acid (CBGA) | 0.19 | 0.00 | 0.0 |
| Cannabigerol (CBG) | 0.11 | 0.00 | 0.0 |
| Tetrahydrocannabivarinic Acid (THCVA) | 0.19 | 0.00 | 0.0 |
| Tetrahydrocannabivarin (THCV) | 0.10 | 0.00 | 0.0 |
| Cannabidivarinic Acid (CBDVA) | 0.36 | 0.00 | 0.0 |
| Cannabidivarin (CBDV) | 0.19 | 0.00 | 0.0 |
| Cannabichromenic Acid (CBCA) | 0.16 | 0.00 | 0.0 |
| Cannabichromene (CBC) | 0.20 | 0.00 | 0.0 |
| **Total Cannabinoids** | | **100.53** | **1005.30** |
| Total Potential THC** | | 0.00 | 0.00 |
| Total Potential CBD** | | 100.53 | 1005.30 |

% = % (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))

NOTES:

N/A

## FINAL APPROVAL

Sam Smith
30-Oct-2019
7:18 AM

PREPARED BY / DATE

David Green
30-Oct-2019
8:53 AM

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*

ilac-MRA A2LA ACCREDITED

*Certificate #4329.02*

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N/A
N/A, N/A N/A

## CBD ISOLATE

| | | | |
|---|---|---|---|
| **Batch ID:** | | **Test ID:** | 1108045.0045 |
| **Reported:** | 4-Nov-2019 | **Method:** | TM17 |
| **Type:** | Concentrate | | |
| **Test:** | Pesticides | | |

## PESTICIDE RESIDUE

| Compound | Dynamic Range (ppb) | Result (ppb) |
|---|---|---|
| Acephate | 54 - 2514 | ND* |
| Acetamiprid | 54 - 2514 | ND* |
| Avermectin | 326 - 2514 | ND* |
| Azoxystrobin | 54 - 2514 | ND* |
| Bifenazate | 54 - 2514 | ND* |
| Boscalid | 326 - 2514 | ND* |
| Carbaryl | 54 - 2514 | ND* |
| Carbofuran | 54 - 2514 | ND* |
| Chlorantraniliprole | 54 - 2514 | ND* |
| Chlorpyrifos | 326 - 2514 | ND* |
| Clofentezine | 54 - 2514 | ND* |
| Diazinon | 54 - 2514 | ND* |
| Dichlorvos | 326 - 2514 | ND* |
| Dimethoate | 54 - 2514 | ND* |
| E-Fenpyroximate | 326 - 2514 | ND* |
| Etofenprox | 326 - 2514 | ND* |
| Etoxazole | 326 - 2514 | ND* |
| Fenoxycarb | 54 - 2514 | ND* |
| Fipronil | 326 - 2514 | ND* |
| Flonicamid | 54 - 2514 | ND* |
| Fludioxonil | 326 - 2514 | ND* |
| Hexythiazox | 326 - 2514 | ND* |
| Imazalil | 326 - 2514 | ND* |
| Imidacloprid | 54 - 2514 | ND* |
| Kresoxim-methyl | 54 - 2514 | ND* |

| Compound | Dynamic Range (ppb) | Result (ppb) |
|---|---|---|
| Malathion | 54 - 2514 | ND* |
| Metalaxyl | 326 - 2514 | ND* |
| Methiocarb | 54 - 2514 | ND* |
| Methomyl | 54 - 2514 | ND* |
| MGK 264 1 | 54 - 2514 | ND* |
| MGK 264 2 | 326 - 2514 | ND* |
| Myclobutanil | 326 - 2514 | ND* |
| Naled | 326 - 2514 | ND* |
| Oxamyl | 54 - 2514 | ND* |
| Paclobutrazol | 54 - 2514 | ND* |
| Permethrin | 326 - 2514 | ND* |
| Phosmet | 54 - 2514 | ND* |
| Prophos | 326 - 2514 | ND* |
| Propoxur | 326 - 2514 | ND* |
| Pyridaben | 326 - 2514 | ND* |
| Spinosad A | 54 - 2514 | ND* |
| Spinosad D | 326 - 2514 | ND* |
| Spiromesifen | 54 - 2514 | ND* |
| Spirotetramat | 326 - 2514 | ND* |
| Spiroxamine 1 | 54 - 2514 | ND* |
| Spiroxamine 2 | 54 - 2514 | ND* |
| Tebuconazole | 54 - 2514 | ND* |
| Thiacloprid | 54 - 2514 | ND* |
| Thiamethoxam | 54 - 2514 | ND* |
| Trifloxystrobin | 326 - 2514 | ND* |

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

N/A

## FINAL APPROVAL

Samantha Smith

Sam Smith
4-Nov-2019
7:20 AM

PREPARED BY / DATE

David Green
4-Nov-2019
8:14 AM

APPROVED BY / DATE

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N/A, N/A N/A

## CBD Isolate

| | | | |
|---|---|---|---|
| **Batch ID:** | N/A | **Test ID:** | T000028414 |
| **Reported:** | 11-Nov-2019 | **Method:** | Arsenic = Arsenic EPA 6020A (mod),<br>Cadmium = Cadmium EPA 6020A (mod),<br>Lead = Lead EPA 6020A (mod),<br>Mercury = Mercury EPA 6020A (mod) |
| **Type:** | Concentrate | | |
| **Test:** | Metals | | |

## HEAVY METALS

| Compound | Reporting Limit (ppm) | Result (ppm) |
|---|---|---|
| Arsenic | 0.05 | <0.05 |
| Cadmium | 0.05 | <0.05 |
| Lead | 0.05 | <0.05 |
| Mercury | 0.05 | <0.05 |

## FINAL APPROVAL

Samantha Smith
Sam Smith
11-Nov-2019
10:41 AM
PREPARED BY / DATE

Greg Zimpfer
11-Nov-2019
3:12 PM
APPROVED BY / DATE

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*N/A*
*N/A, N/A N/A*

## CBD ISOLATE

| | | | |
|---|---|---|---|
| **Batch ID:** | N/A | **Test ID:** | 9288191.007 |
| **Reported:** | 1-Nov-2019 | **Method:** | MIP - Test Methods: TM05, TM06 |
| **Type:** | MIP | | |
| **Test:** | Microbial Contaminants | | |

## MICROBIAL CONTAMINANTS

| Contaminant | Result (CFU/g)* |
|---|---|
| ***Total Aerobic Count**** | None Detected |
| ***Total Coliforms**** | None Detected |
| **Total Yeast and Molds**** | None Detected |
| ***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

## FINAL APPROVAL

Robert Belfon
1-Nov-2019
4:48 PM

PREPARED BY / DATE

David Green
1-Nov-2019
5:33 PM

APPROVED BY / DATE

*Testing results are based solely upon the sample submitted to Botanacor Services, LLC, in the condition it was received. Botanacor Services, 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 Services, LLC.*

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*N/A*
*N/A, N/A N/A*

## CBD ISOLATE

| | | | |
|---|---|---|---|
| **Batch ID:** | N/A | **Test ID:** | 4432371.029 |
| **Reported:** | 3-Nov-2019 | **Method:** | TM04 |
| **Type:** | Concentrate | | |
| **Test:** | Residual Solvents | | |

## RESIDUAL SOLVENTS

| Solvent | Reportable Range (ppm) | Result (ppm) |
|---|---|---|
| **Propane** | 100 - 2000 | 0 |
| **Butanes** (Isobutane, n-Butane) | 100 - 2000 | 0 |
| **Pentane** | 100 - 2000 | 0 |
| **Ethanol** | 100 - 2000 | 0 |
| **Acetone** | 100 - 2000 | 0 |
| **Isopropyl Alcohol** | 100 - 2000 | 0 |
| **Hexane** | 6 - 120 | 0 |
| **Benzene** | 0.2 - 4 | 0.0 |
| **Heptanes** | 100 - 2000 | 0 |
| **Toluene** | 18 - 360 | 0 |
| **Xylenes** (m,p,o-Xylenes) | 43 - 860 | 0 |

NOTES:
Free from visual mold, mildew, and foreign matter.

## FINAL APPROVAL

Chris Jungling
3-Nov-2019
7:00 PM
PREPARED BY / DATE

Greg Zimpfer
3-Nov-2019
7:41 PM
APPROVED BY / DATE