

TREEVANA  
400 WEST PEACHTREE  
STREET NW SUITE #4 - 1559  
ATLANTA, GA 30308

# Certificate of Analysis

**ACS** LABORATORY | CANNABIS & HEMP  
BEYOND COMPLIANCE

Order #: TRE200924-050044      Order Date: 2020-09-24      Collection Date: 2020-09-25      Report Date: 2020-10-01

Batch #: 001  
Sample #: AAAP847  
Specimen Type: CBD/HEMP Derivative Products (Ingestion)  
Extracted From: Hemp  
Description: Broad Spectrum Hemp Seed Oil - Mint

Initial Gross Weight: 26.031 g  
Specimen Weight: 253.57 mg  
Method: SOP-3



|                             |                                    |   |
|-----------------------------|------------------------------------|---|
| Potency<br><b>Tested</b>    | Heavy Metals<br><b>Passed</b>      | Mycotoxins<br><b>Passed</b>             |
| Pesticides<br><b>Passed</b> | Residual Solvents<br><b>Passed</b> | Listeria Monocytogenes<br><b>Passed</b> |
| Pathogenic<br><b>Passed</b> |                                    |   |



The photos on this report are of a sample collected by the lab and may vary from the final packaging.

|                                  |   |                                     |
|----------------------------------|---|-------------------------------------|
| <b>Total CBD</b><br>1.959%       | <b>Total THC</b><br>Not Detected          | <b>Total CBG</b><br>Not Detected    |
| <b>Total CBN</b><br>Not Detected | <b>Other Cannabinoids</b><br>Not Detected | <b>Total Cannabinoids</b><br>1.959% |

## Potency - 11 (Tested)

(HPLC/LCMS)

| Analyte          | Result (mg/g) | (%) | LOQ (%) | Analyte     | Result (mg/g) | (%)   | LOQ (%) | Analyte          | Result (mg/g) | (%)   | LOQ (%) |
|------------------|---------------|-----|---------|-------------|---------------|-------|---------|------------------|---------------|-------|---------|
| CBC              | <LOQ          |     | 0.001   | CBD         | 19.590        | 1.959 | 0.001   | CBDA             | <LOQ          |       | 0.001   |
| CBDV             | <LOQ          |     | 0.001   | CBG         | <LOQ          |       | 0.001   | CBGA             | <LOQ          |       | 0.001   |
| CBN              | <LOQ          |     | 0.001   | Delta-8 THC | <LOQ          |       | 0.001   | Delta-9 THC      | <LOQ          |       | 0.001   |
| THCA-A           | <LOQ          |     | 0.001   | THCV        | <LOQ          |       | 0.001   | <b>Total CBD</b> | 19.590        | 1.959 | 0.001   |
| <b>Total THC</b> | <LOQ          |     | 0.001   |             |               |       |         |                  |               |       |         |

\*Total CBD = CBD + (CBD-A \* 0.877), \*Total THC = THCA-A \* 0.877 + Delta 9 THC, \*CBG Total = (CBGA \* 0.877) + CBG, \*CBN Total = (CBNA \* 0.877) + CBN, \*Other Cannabinoids Total = CBC + CBDV + THCV + THCV-A, \*Total Detected Cannabinoids = CBD Total + CBG Total + CBN Total + THC Total + CBC + CBDV + THCV + THCV-A (mg/g) = Milligram per Gram, , LOQ = Limit of Quantitation, , LOD = Limit of Detection

Xueli Gao      Lab Toxicologist  
Ph.D., DABT

Aixia Sun      Principal Scientist  
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**Initial Gross Weight:** 26.031 g  
**Specimen Weight:** 253.57 mg  
**Method:** SOP-3



## Heavy Metals (Passed)

(ICP-MS)

| Analyte      | Action Level (ppb) | Result (ppb) | LOQ (ppb) | Analyte      | Action Level (ppb) | Result (ppb) | LOQ (ppb) | Analyte   | Action Level (ppb) | Result (ppb) | LOQ (ppb) |
|--------------|--------------------|--------------|-----------|--------------|--------------------|--------------|-----------|-----------|--------------------|--------------|-----------|
| Arsenic (As) | 1500               | <LOQ         | 100       | Cadmium (Cd) | 500                | <LOQ         | 100       | Lead (Pb) | 500                | <LOQ         | 100       |
| Mercury (Hg) | 3000               | <LOQ         | 100       |              |                    |              |           |           |                    |              |           |

(ppb) = Parts per Billion, (ppb) = (µg/kg), , LOQ = Limit of Quantitation

## Mycotoxins (Passed)

(LCMS/API/GCMS)

| Analyte      | Action Level (ppb) | Result (ppb) | LOQ (ppb) | Analyte      | Action Level (ppb) | Result (ppb) | LOQ (ppb) | Analyte      | Action Level (ppb) | Result (ppb) | LOQ (ppb) |
|--------------|--------------------|--------------|-----------|--------------|--------------------|--------------|-----------|--------------|--------------------|--------------|-----------|
| Aflatoxin B1 | 20                 | <LOQ         | 6         | Aflatoxin B2 | 20                 | <LOQ         | 6         | Aflatoxin G1 | 20                 | <LOQ         | 6         |
| Aflatoxin G2 | 20                 | <LOQ         | 6         | Ochratoxin A | 20                 | <LOQ         | 12        |              |                    |              |           |

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Initial Gross Weight: 26.031 g  
Specimen Weight: 253.57 mg  
Method: SOP-3



## Pesticides FL V4 (Non-Inhalable) (Passed)

(LCMS/API/GCMS)

| Analyte               | Action Level (ppb) | Result (ppb) | LOQ (ppb) | Analyte         | Action Level (ppb) | Result (ppb) | LOQ (ppb) | Analyte                 | Action Level (ppb) | Result (ppb) | LOQ (ppb) |
|-----------------------|--------------------|--------------|-----------|-----------------|--------------------|--------------|-----------|-------------------------|--------------------|--------------|-----------|
| Abamectin             | 300                | <LOQ         | 28.23     | Acephate        | 3000               | <LOQ         | 30        | Acequinocyl             | 2000               | <LOQ         | 48        |
| Acetamiprid           | 3000               | <LOQ         | 30        | Aldicarb        | 100                | <LOQ         | 30        | Azoxystrobin            | 3000               | <LOQ         | 10        |
| Bifentazate           | 3000               | <LOQ         | 30        | Bifenthrin      | 500                | <LOQ         | 30        | Boscalid                | 3000               | <LOQ         | 10        |
| Captan                | 3000               | <LOQ         | 30        | Carbaryl        | 500                | <LOQ         | 10        | Carbofuran              | 100                | <LOQ         | 10        |
| Chlorantraniliprole   | 3000               | <LOQ         | 10        | Chlordane       | 100                | <LOQ         | 10        | Chlorfenapyr            | 100                | <LOQ         | 30        |
| Chloromequat Chloride | 3000               | <LOQ         | 10        | Chlorpyrifos    | 100                | <LOQ         | 30        | Clofentezine            | 500                | <LOQ         | 30        |
| Cypermethrin          | 1000               | <LOQ         | 30        | Coumaphos       | 100                | <LOQ         | 48        | Cyfluthrin              | 1000               | <LOQ         | 30        |
| Dichlorvos            | 100                | <LOQ         | 30        | Daminozide      | 100                | <LOQ         | 30        | Diazinon                | 200                | <LOQ         | 30        |
| Ethoprophos           | 100                | <LOQ         | 30        | Dimethoate      | 100                | <LOQ         | 30        | Dimethomorph            | 3000               | <LOQ         | 48        |
| Fenhexamid            | 3000               | <LOQ         | 10        | Etofenprox      | 100                | <LOQ         | 30        | Etoxazole               | 1500               | <LOQ         | 30        |
| Fipronil              | 100                | <LOQ         | 30        | Fenoxycarb      | 100                | <LOQ         | 30        | Fenpyroximate           | 2000               | <LOQ         | 30        |
| Hexythiazox           | 2000               | <LOQ         | 30        | Fonicamid       | 2000               | <LOQ         | 30        | Fludioxonil             | 3000               | <LOQ         | 48        |
| Kresoxim Methyl       | 1000               | <LOQ         | 30        | Imazalil        | 100                | <LOQ         | 30        | Imidacloprid            | 3000               | <LOQ         | 30        |
| Methiocarb            | 100                | <LOQ         | 30        | Malathion       | 2000               | <LOQ         | 30        | Metalaxyl               | 3000               | <LOQ         | 10        |
| Mevinphos             | 100                | <LOQ         | 10        | Methomyl        | 100                | <LOQ         | 30        | methyl-Parathion        | 100                | <LOQ         | 10        |
| Oxamyl                | 500                | <LOQ         | 30        | Myclobutanil    | 3000               | <LOQ         | 30        | Naled                   | 500                | <LOQ         | 30        |
| Permethrin            | 1000               | <LOQ         | 30        | Paclobutrazol   | 100                | <LOQ         | 30        | Pentachloronitrobenzene | 200                | <LOQ         | 10        |
| Prallethrin           | 400                | <LOQ         | 30        | Phosmet         | 200                | <LOQ         | 30        | Piperonylbutoxide       | 3000               | <LOQ         | 30        |
| Pyrethrins            | 1000               | <LOQ         | 30        | Propiconazole   | 1000               | <LOQ         | 30        | Propoxur                | 100                | <LOQ         | 30        |
| Spinosad              | 3000               | <LOQ         | 30        | Pyridaben       | 3000               | <LOQ         | 30        | Spinetoram              | 3000               | <LOQ         | 10        |
| Spiroxamine           | 100                | <LOQ         | 30        | Spiromesifen    | 3000               | <LOQ         | 30        | Spirotetramat           | 3000               | <LOQ         | 30        |
| Thiamethoxam          | 1000               | <LOQ         | 30        | Tebuconazole    | 1000               | <LOQ         | 30        | Thiacloprid             | 100                | <LOQ         | 30        |
|                       |                    |              |           | Trifloxystrobin | 3000               | <LOQ         | 30        |                         |                    |              |           |

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## Residual Solvents (CBD) (Passed)

(GC/GCMS)

| Analyte            | Action Level (ppm) | Result (ppm) | LOQ (ppm) | Analyte            | Action Level (ppm) | Result (ppm) | LOQ (ppm) | Analyte            | Action Level (ppm) | Result (ppm) | LOQ (ppm) |
|--------------------|--------------------|--------------|-----------|--------------------|--------------------|--------------|-----------|--------------------|--------------------|--------------|-----------|
| 1,1-Dichloroethene | 8                  | <LOQ         | 0.16      | 1,2-dichloroethane | 5                  | <LOQ         | 0.04      | Acetone            | 5000               | <LOQ         | 2.08      |
| Benzene            | 2                  | <LOQ         | 0.02      | Butanes            | 2000               | <LOQ         | 2.5       | Acetonitrile       | 410                | <LOQ         | 1.17      |
| Ethanol            | 5000               | <LOQ         | 2.78      | Ethyl Acetate      | 5000               | <LOQ         | 1.11      | Chloroform         | 60                 | <LOQ         | 0.04      |
| Ethylene Oxide     | 5                  | <LOQ         | 0.1       | Heptane            | 5000               | <LOQ         | 1.39      | Ethyl Ether        | 5000               | <LOQ         | 1.39      |
| Isopropyl alcohol  | 500                | <LOQ         | 1.39      | Methanol           | 3000               | <LOQ         | 0.69      | Hexane             | 290                | <LOQ         | 1.17      |
| Pentane            | 5000               | <LOQ         | 2.08      | Propane            | 2100               | <LOQ         | 5.83      | Methylene chloride | 600                | <LOQ         | 2.43      |
| Total Xylenes      | 2170               | <LOQ         | 2.92      | Trichloroethylene  | 80                 | <LOQ         | 0.49      | Toluene            | 890                | <LOQ         | 2.92      |

(ppm) = Parts per Million, (ppm) = (µg/g), LOQ = Limit of Quantitation

## Listeria Monocytogenes (Passed)

(qPCR)

| Analyte                | Result        |
|------------------------|---------------|
| Listeria Monocytogenes | Absence in 1g |

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## Pathogenic SE (qPCR) (Passed)

(qPCR)

| Analyte | Result (cfu/g) | Analyte    | Result (cfu/g) |
|---------|----------------|------------|----------------|
| E.Coli  | Absence        | Salmonella | Absence        |

(cfu/g) = Colony Forming Unit per Gram

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Lab Toxicologist

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Principal Scientist

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