



CERTIFICATE OF ANALYSIS



Customer: Balanced Health Botanicals

Collection Date: 04/08/2019
Order Date: 04/08/2019
Report Date: 04/11/2019
Order #699307
Batch # 0419092D2

Initial Weight: 37506.00/mg
Specimen Weight: 54.64/mg
Specimen Type: Extract
Extracted From: Industrial Hemp
Description: CBD Isolate

Potency (HPLC)

| Analyte | mg/g | % | Analyte | mg/g | % | Analyte | mg/g | % |
|-------------|------|----|-----------|----------|---------|-------------|----------|---------|
| CBC | 0 | ND | CBCA | 0 | ND | CBD | 994.9000 | 99.4900 |
| CBDA | 0 | ND | CBDV | 3.4930 | 0.3493 | CBDVA | 0 | ND |
| CBG | 0 | ND | CBGA | 0 | ND | CBL | 0 | ND |
| CBN | 0 | ND | CBNA | 0 | ND | Delta-8-THC | 0 | ND |
| Delta-9-THC | 0 | ND | THCA-A | 0 | ND | THCV | 0 | ND |
| THCVA | 0 | ND | Total CBD | 994.9000 | 99.4900 | Total THC | 0 | ND |

Pesticides (LCMS/MS)

| Analyte | ppm | Analyte | ppm | Analyte | ppm |
|-------------------|-----|--------------|-----|---------------------|-----|
| Abamectin | ND | Acephate | ND | Acequinocyl | ND |
| Acetamiprid | ND | Aldicarb | ND | Azoxystrobin | ND |
| Bifenazate | ND | Bifenthrin | ND | Boscalid | ND |
| Carbaryl | ND | Carbofuran | ND | Chlorantraniliprole | ND |
| Chlorpyrifos | ND | Clofentazine | ND | Cypermethrin | ND |
| Daminozide | ND | Diazinon | ND | Dichlorvos | ND |
| Dimethoate | ND | Ethoprophos | ND | Etofenprox | ND |
| Etoazole | ND | Fenoxycarb | ND | Fipronil | ND |
| Fonicamid | ND | Fludioxonil | ND | Hexythiazox | ND |
| Imazalil | ND | Imidacloprid | ND | Kresoxim Methyl | ND |
| Malathion A | ND | Metalaxyl | ND | Methiocarb | ND |
| Methomyl | ND | MGK-264 | ND | Myclobutanil | ND |
| Naled | ND | Oxamyl | ND | Paclbutrazol | ND |
| Parathion-methyl | ND | Permethrin | ND | Phosmet | ND |
| Piperonylbutoxide | ND | Prallethrin | ND | Propiconazole | ND |
| Propoxur | ND | Pyrethrins | ND | Pyridaben | ND |
| Spinosyn A | ND | Spinosyn D | ND | Spiromesifen | ND |
| Spirotetramat | ND | Spiroxamine | ND | Tebuconazole | ND |
| Thiacloprid | ND | Thiamethoxam | ND | Trifloxystrobin | ND |

Terpenes (GC/GCMS)

| Analyte | mg/g | % | Analyte | mg/g | % | Analyte | mg/g | % |
|--------------|------|----|--------------|------|----|---------------------|------|----|
| 3-Carene | 0 | ND | Alpha-Pinene | 0 | ND | Aromadendrene | 0 | ND |
| Beta-Myrcene | 0 | ND | Beta-Pinene | 0 | ND | Camphene | 0 | ND |
| Fenchol | 0 | ND | Humulene | 0 | ND | Linalool | 0 | ND |
| R-Limonene | 0 | ND | Terpineol | 0 | ND | Trans-Caryophyllene | 0 | ND |

Thomas Farrell, MD
Lab Director

* Total CBD = CBD + (CBD-A * 0.877). Total THC = THCA-A * 0.877 + Delta 9 THC. T-Caryophyllene = Trans-Caryophyllene, ND = Not Detected, QNS = Quantity Not Sufficient. (%) = Percent, (ppm) = Parts per Million, (cfu) = Colony Forming Unit, (ppb) = Parts per Billion, (µg/Kg) = Microgram per Kilogram, (mg/g) = Milligram per Gram.
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Description: CBD Isolate

| Residual Solvents | | | | (GC/GCMS) | |
|-------------------|-----|----------|-----|-------------|-----|
| Analyte | ppm | Analyte | ppm | Analyte | ppm |
| Acetone | ND | Benzene | ND | Chloroform | ND |
| Ethanol | ND | I-Butane | ND | Isopropanol | ND |
| Methanol | ND | N-Butane | ND | Pentane | ND |
| Toluene | ND | | | | |

| Microbiology | | | | (Plate Culture) | |
|------------------|----------|--------------------|----------|-----------------|----------|
| Analyte | cfu/g | Analyte | cfu/g | Analyte | cfu/g |
| Aerobic Bacteria | ND | E. Coli / Coliform | ND | Yeast/Mold | ND |
| | Negative | | Negative | | Negative |

| Heavy Metals | | | | (ICP-MS) | |
|--------------|-----|--------------|-----|-----------|-----|
| Analyte | ppb | Analyte | ppb | Analyte | ppb |
| Arsenic (As) | ND | Cadmium (Cd) | ND | Lead (Pb) | ND |
| Mercury (Hg) | ND | | | | |

| Mycotoxins | | | | (LCMS/MS) | |
|--------------|---------|--------------|---------|--------------|---------|
| Analyte | (µg/Kg) | Analyte | (µg/Kg) | Analyte | (µg/Kg) |
| Aflatoxin B1 | ND | Aflatoxin B2 | ND | Aflatoxin G1 | ND |
| Aflatoxin G2 | ND | Ochratoxin A | ND | | |

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