

### **CERTIFICATE OF ANALYSIS**

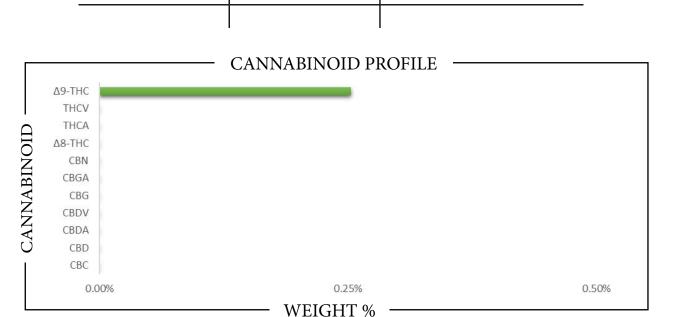


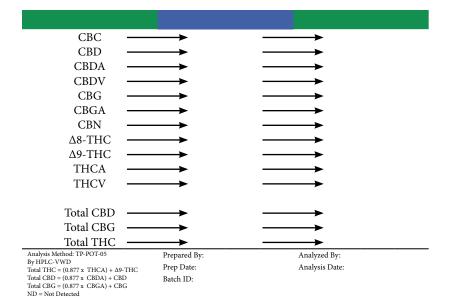
REPORT PREPARED FOR:

PROJECT# LAB ID RECEIVED DATE REPORT DATE



SAMPLE NAME:







APPROVED BY: JUSTIN HALL LAB DIRECTOR

Hall **SIGNATURE** 

SIGNED ON



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#### **TERPENES**

TERPENE PROFILE

gamma-Terpinene
Eucalyptol
Z-beta-Ocimene
D-Limonene
E-beta-Ocimene
alpha-Terpinene
3-Carene
alpha-Phellandrene
beta-Myrcene
Sabinene
Camphene
alpha-Pinene

0.00% 10.00% 20.00% 30.00% 40.00% 50.00% 60.00% 70.00% 80.00% 90.00% 100.00%

WEIGHT %

| TERPENE            | WEIGHT % | TERPENE             | WEIGHT % | TERPENE          | WEIGHT % |
|--------------------|----------|---------------------|----------|------------------|----------|
| alpha-Bisabolol    |          | Caryophyllene oxide |          | Limonene         |          |
| alpha-Cedrene      |          | Cedrol              |          | Linalool         |          |
| alpha-Humulene     |          | Eucalyptol          |          | Nerol            |          |
| alpha-Phellandrene |          | Farnesene           |          | Nerolidol        |          |
| alpha-Pinene       |          | Fenchone            |          | Ocimene          |          |
| alpha-Terpinene    |          | Fenchyl Alcohol     |          | Pulegone         |          |
| beta-Caryophyllene |          | gamma-Terpinene     |          | Sabinene         |          |
| beta-Myrcene       |          | Geraniol            |          | Sabinene hydrate |          |
| beta-Pinene        |          | Geranyl acetate     |          | Terpineol        |          |
| Borneol            |          | Guaiol              |          | Terpinolene      |          |
| Camphene           |          | Hexahydrothymol     |          | Valencene        |          |
| Camphor            |          | Isoborneol          |          |                  |          |
| 3-Carene           |          | Isopulegol          |          |                  |          |

Prepared By: Analyzed By: Prepared Date: Analyzed Date:

Analysis Batch:

Analyzed by method TP-TER-01 by HS-GCMS

ND = Analyte not detected PPB = Parts per billion

| APPROVED BY: JUSTIN HALL | J. Hell   |           |
|--------------------------|-----------|-----------|
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# CERTIFICATE of ANALYSIS



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SAMPLE NAME:

PESTICIDES PASS

|                             | ACTION LEVEL | SAMPLE LEVEL |  | ACTION LEVEL             | SAMPLE LEVEL |
|-----------------------------|--------------|--------------|--|--------------------------|--------------|
| PESTICIDE                   | (PPB)        | (PPB)        | PESTICIDE  | (PPB)                    | (PPB)        |
| Acephate                    | 100          | ND           | Imidacloprid   | 5000                     | ND           |
| Acequinocyl                 | 100          | ND           | Kresoxim methyl  | 100                      | ND           |
| Acetamiprid                 | 100          | ND           | Malathion  | 500                      | ND           |
| Aldicarb                    | LOD          | ND           | Metalaxyl  | 100                      | ND           |
| Avermectin B1a <sup>1</sup> | 100          | ND           | Methiocarb   | LOD                      | ND           |
| Avermectin B1b1             | 100          | ND           | Methomyl   | 1000                     | ND           |
| Azoxystrobin                | 100          | ND           | Methyl-Parathion   | LOD                      | ND           |
| Bifenazate                  | 100          | ND           | Mevinphos  | LOD                      | ND           |
| Bifenthrin                  | 3000         | ND           | Myclobutanil   | 100                      | ND           |
| Boscalid                    | 100          | ND           | Oxamyl   | 500                      | ND           |
| Captan                      | 100          | ND           | Paclobutrazol  | LOD                      | ND           |
| Carbaryl                    | 500          | ND           | Pentachloronitrobenzene  | LOD                      | ND           |
| Carbofuran                  | LOD          | ND           | Permethrin I   | 500                      | ND           |
| Chlorantraniliprole         | 10000        | ND           | Phosmet  | 100                      | ND           |
| Chlordane                   | 100          | ND           | Piperonyl butoxide   | 3000                     | ND           |
| Chlorfenapyr                | LOD          | ND           | Prallethrin  | 100                      | ND           |
| Chloromequat chloride       | LOD          | ND           | Propicanozole  | 100                      | ND           |
| Chlorpyrifos                | LOD          | ND           | Propoxur   | LOD                      | ND           |
| Clofentezine                | 100          | ND           | Pyrethrin I  | 500                      | ND           |
| Coumaphos                   | LOD          | ND           | Pyrethrin II   | 500                      | ND           |
| Cyfluthrin                  | 2000         | ND           | Pyridaben  | 100                      | ND           |
| Cypermethrin                | 1000         | ND           | Spinetoram J   | 100                      | ND           |
| Daminozide                  | LOD          | ND           | Spinetoram L   | 100                      | ND           |
| Diazinon                    | 100          | ND           | Spinosyn A <sup>2</sup>  | 100                      | ND           |
| Dibrom (Naled)              | 100          | ND           | Spinosyn D <sup>2</sup>  | 100                      | ND           |
| Dichlorvos                  | LOD          | ND           | Spiromesifen   | 100                      | ND           |
| Dimethoate                  | LOD          | ND           | Spirotetramat  | 100                      | ND           |
| Dimethomorph I              | 2000         | ND           | Spiroxamine  | LOD                      | ND           |
| Dimethomorph II             | 2000         | ND           | Tebuconazole   | 100                      | ND           |
| Ethoprophos                 | LOD          | ND           | Thiacloprid  | LOD                      | ND           |
| Etofenprox                  | LOD          | ND           | Thiamethoxam   | 5000                     | ND           |
| Etoxazole                   | 100          | ND           | Trifloxystrobin  | 100                      | ND           |
| Fenhexamid                  | 100          | ND           | Prepared By:   | Analyzed By:             |              |
| Fenoxycarb                  | LOD          | ND           | Prepared Date:   | Analyzed Date:           |              |
| Fenpyroximate               | 100          | ND           | Analysis Batch:  | •                        |              |
| Fipronil                    | LOD          | ND           | Analyzed by method TP-PES-01 on HPLC/MS/MS or GC/MS                      |                          |              |
| Flonicamid                  | 100          | ND           | ND = Analyte not detected PPB = Parts per billion                        |                          |              |
| Fludixonil                  | 100          | ND           | <sup>1</sup> Abamectin is a mixture of Avermectin B1a and Avermectin B1b |                          |              |
| Hexythiazox                 | 100          | ND           | <sup>2</sup> Spinosad is a mixture of isomers S                          | pinosyn A and Spinosyn D |              |
| Imazalil                    | LOD          | ND           |  |                          |              |

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JUSTIN HALL

LAB DIRECTOR

J. Hall

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#### **RESIDUAL SOLVENTS**

PASS

| CATEGORY I   | PPM | CATEGORY II      | PPM |
|--|-----|------------------|-----|
| Ethylene Oxide   |     | Propane          |     |
| Methylene Chloride   |     | Butane/Isobutane |     |
| Benzene  |     | Pentane          |     |
| 1,2-Dichloroethane   |     | Acetone          |     |
| Chloroform   |     | Acetonitrile     |     |
| Trichloroethylene  |     | Hexane           |     |
| Prepared By:   |     | Ethyl Acetate    |     |
| Date Prepared:   |     | Heptane          |     |
| Analyzed By:   |     | Methanol         |     |
| Analysis Date:   |     | Diethyl Ether    |     |
| Analysis Batch:  |     | Ethanol          |     |
| Analysis method: TP-SOL-01 by H  |     | Isopropanol      |     |
| No Category I solvent may be present to pass<br>ND = Not detected<br>PPM = Parts per million |     | Toluene          |     |
|  |     | m+p Xylene       |     |
|  |     | o-Xylene         |     |

METALS PASS

| METALS<br>FDA - CATEGORY I | ACTION LEVEL<br>(PPM) | SAMPLE LEVEL<br>(PPM) |
|----------------------------|-----------------------|-----------------------|
| Arsenic (As)               | 1.5                   |                       |
| Cadmium (Cd)               | 0.5                   |                       |
| Lead (Pb)                  | 0.5                   |                       |
| Mercury (Hg)               | 3.0                   |                       |

Prepared By: Date Prepared: Analyzed By: Analysis Date

Analyzed by EPA method 6020A via ICP-OES or ICP-MS

ND = Not detected PPM = Parts per million

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SAMPLE NAME:

**MYCOTOXINS PASS** 

| MYCOTOXIN  | ACTION LEVEL<br>(PPB)                          | SAMPLE LEVEL<br>(PPB) |
|--|--|-----------------------|
| Aflatoxin B1<br>Aflatoxin B2<br>Aflatoxin G1<br>Aflatoxin G2 | Sum of all alflatoxins<br>not to exceed 20 PPB |                       |
| Ochratoxin   | 20   |                       |

Prepared By: Date Prepared:

Analyzed By:

Analysis Date

Analysis Batch:

Analyzed by TP-MYC-01 on HPLC/MS/MS

ND = Not detected PPB = Parts per billion

**MICROBIALS PASS** 

|                    | ACTION LEVEL (CFU/G) | SAMPLE LEVEL<br>(CFU/G) |
|--------------------|----------------------|-------------------------|
| Total Coliform     |                      |                         |
| E. Coli            | Presence             |                         |
| Yeast & Mold       |                      |                         |
| Enterobacteriaceae |                      |                         |
| Salmonella         | Presence             |                         |
| Total Count        |                      |                         |

Prepared By: Date Prepared: Analyzed By:

Analysis Date

Analyzed by COMPACTDRY method. ND = Not detected

CFU/G = Colony forming uniits per gram

| APPROVED BY: | Li Hell   | 1         |
|--------------|-----------|-----------|
| JUSTIN HALL  |           |           |
| LAB DIRECTOR | SIGNATURE | SIGNED ON |