

Order #: RYT200608-050014 Order Date: 2020-06-08 Collection Date: 2020-06-10 Report Date: 2020-06-17

Batch #: 6002
Sample #: AAAH597
Specimen Type: CBD/HEMP Derivative Products (Ingestion)
Extracted From: Hemp
Description: 33 mg tincture

Initial Gross Weight: 227548 mg
Net Weight: 111367 mg
Density: .9441 mg/ml
Method: SOP-3



| | | |
|--|------------------------------------|---|
| Potency Tested | Heavy Metals Passed | Mycotoxins Passed |
| Pathogenic Microbiology Passed | Residual Solvents Passed | Listeria Monocytogenes Passed |
| Pesticides Passed | | |



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

| | | |
|---|--|--|
| CBD Total 4.0554% 4,263.9297mg | THC Total 0.0880% 92.5246mg | CBG Total 0.0400% 42.0566mg |
| CBN Total Not Detected | Other Cannabinoids 0.1470% 154.5581mg | Total Cannabinoids 4.3304% 4,553.0691mg |

Potency - 11 (Tested)

(HPLC/LCMSMS)

| Analyte | Result (mg/ml) | (%) | LOQ (%) | Analyte | Result (mg/ml) | (%) | LOQ (%) | Analyte | Result (mg/ml) | (%) | LOQ (%) |
|-----------|----------------|-------|---------|-------------|----------------|-------|---------|-------------|----------------|-------|---------|
| CBC | 1.388 | 0.147 | 0.001 | CBD | 38.113 | 4.037 | 0.001 | CBDA | 0.198 | 0.021 | 0.001 |
| CBDV | <LOQ | 0.001 | | CBG | 0.378 | 0.040 | 0.001 | CBGA | <LOQ | 0.001 | |
| CBN | <LOQ | 0.001 | | Delta-8 THC | <LOQ | 0.001 | | Delta-9 THC | 0.831 | 0.088 | 0.001 |
| THCA-A | <LOQ | 0.001 | | THCV | <LOQ | 0.001 | | Total CBD | 38.287 | 4.055 | 0.001 |
| Total THC | 0.831 | 0.088 | 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 + THC + THCV + THCV-A, *Total Detected Cannabinoids = CBD Total + CBG Total + CBN Total + THC Total + CBC + CBDV + THCV + THCV-A, *Total (mg) = Total (%) ÷ 100 * Net Weight(mg) (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation

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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/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) |
|--------------|--------------------|--------------|-----------|-----------------|--------------------|--------------|-----------|--------------|--------------------|--------------|-----------|
| Aflatoxin B1 | | <LOQ | 6 | Aflatoxin B2 | | <LOQ | 6 | Aflatoxin G1 | | <LOQ | 6 |
| Aflatoxin G2 | | <LOQ | 6 | Aflatoxin Total | 20 | <LOQ | 6 | Ochratoxin A | 20 | <LOQ | 12 |

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

Pathogenic Microbiology #1 (MMTC Compliance Panel) (Passed) (Micro Array)

| Analyte | Result | Analyte | Result |
|------------|---------|--------------|---------|
| Salmonella | Absence | STEC E. Coli | Absence |

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Residual Solvents (Extract Only) (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) |
|-------------|--------------------|--------------|-----------|----------|--------------------|--------------|-----------|------------|--------------------|--------------|-----------|
| Acetone | 5000 | <LOQ | 87.9 | Benzene | 1.6 | <LOQ | 1.6 | Chloroform | 53 | <LOQ | 53 |
| Ethanol | 5000 | <LOQ | 26.7 | Hexane | 60 | <LOQ | 36.6 | I-Butane | 5000 | <LOQ | 100 |
| Isopropanol | 5000 | <LOQ | 52.3 | Methanol | 3000 | <LOQ | 87.9 | N-Butane | 5000 | <LOQ | 200 |
| Pentane | 5000 | <LOQ | 389.5 | Toluene | 890 | <LOQ | 38.4 | | | | |

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

Listeria Monocytogenes (Passed) (qPCR)

| Analyte | Remark |
|------------------------|---------|
| Listeria Monocytogenes | Absence |

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Pesticides FL V4 (Non-Inhalable) (Passed) (LCMS/MS)

| Analyte | Action Level | Result | LOQ | Analyte | Action Level | Result | LOQ | Analyte | Action Level | Result | LOQ |
|-----------------------|--------------|--------|-------|-----------------|--------------|--------|-----|-------------------------|--------------|--------|-----|
| Abamectin | 300 | <LOQ | 28.23 | Acephate | 3000 | <LOQ | 30 | Acequinocyl | 2000 | <LOQ | 48 |
| Acetamidrid | 3000 | <LOQ | 30 | Aldicarb | 100 | <LOQ | 30 | Azoxystrobin | 3000 | <LOQ | 10 |
| Bifenazate | 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 | Etozazole | 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_A | 1000 | <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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