

Botany Scientifics

8647 Wurzbach Road, Unit F San Antonio, TX 78240
(210) 900-4367
Project 09/03/2024

Seed to Sale: N/A
Retail Batch#: N/A
Cultivar: N/A
Cultivation Facility: N/A
Processing Facility: N/A
Sampling: SOP 21

COMPLIANCE FOR RETAIL

Sample Name: 5mg CBN 10mg Full Spectrum Hemp Oil, Gummies Black Berry Passion Flower

Date Sampled: 09/03/2024

Lab Sample ID: F409055-01

Matrix: Non-Inhalable Product

Date Received: 09/03/2024

Retail Batch Total Wt/Vol: N/A

Retail Batch Total Units: N/A

Date Reported: 09/10/2024

Retail Batch Date: N/A

Total Wt, Vol or Unit Sampled: 1



Terpenes
Tested



Heavy Metals
Pass



Foreign Materials
Pass



Microbiology
Pass



Mycotoxins
Pass



Residual Solvents
Pass



Pesticides
Pass



Moisture Content
Not Tested



Water Activity
Pass



| | |
|-----------------------------|----------------------|
| Total Cannabinoids | |
| 0.524% | |
| Major Cannabinoids | |
| Total CBD | Total THC |
| 0.325% | 0.00819% |
| 3.25 mg/g | 0.082 mg/g |
| 314.30 mg/Unit | 7.92 mg/Unit |
| Minor Cannabinoids * | |
| CBN | CBC |
| 0.175% | 0.0154% |
| 1.75 mg/g | 0.154 mg/g |
| 169.20 mg/Unit | 14.89 mg/Unit |

Terpenes Profile

Date Prepared: 09/06/24 09:43 Prep ID: MC Specimen Prep: 1.1 g / 1 mL
Date Analyzed: 09/09/24 17:25 Analyzed ID: NS Instrument: GCMS
Lab Batch: B24H070 Prep/Analysis Method: ACCU LAB SOP17

| Analyte | Dilution | LOQ | Results |
|----------------------|----------|-------|---------|
| | | mg/g | mg/g |
| Linalool | 1 | 0.036 | 0.069 |
| (-)-Isopulegol | 1 | 0.036 | ND |
| alpha-Bisabolol | 1 | 0.036 | ND |
| alpha-Cedrene | 1 | 0.036 | ND |
| alpha-Humulene | 1 | 0.036 | ND |
| alpha-Pinene | 1 | 0.036 | ND |
| alpha-Terpinene | 1 | 0.036 | ND |
| beta-Caryophyllene | 1 | 0.036 | ND |
| beta-Myrcene | 1 | 0.036 | ND |
| beta-Pinene | 1 | 0.036 | ND |
| Borneol | 1 | 0.036 | ND |
| Camphene | 1 | 0.036 | ND |
| Camphor | 1 | 0.036 | ND |
| Caryophyllene Oxide | 1 | 0.036 | ND |
| Cedrol | 1 | 0.036 | ND |
| cis-Nerolidol | 1 | 0.036 | ND |
| Delta-3-carene | 1 | 0.036 | ND |
| d-Limonene | 1 | 0.036 | ND |
| Endo-fenchyl alcohol | 1 | 0.036 | ND |
| Eucalyptol | 1 | 0.036 | ND |
| Farnesene | 1 | 0.036 | ND |
| Fenchone | 1 | 0.036 | ND |
| gamma-Terpinene | 1 | 0.036 | ND |
| Geraniol | 1 | 0.036 | ND |
| Geranyl acetate | 1 | 0.036 | ND |
| Guaiol | 1 | 0.036 | ND |
| Hexahydrothymol | 1 | 0.036 | ND |
| Isoborneol | 1 | 0.036 | ND |
| Nerol | 1 | 0.036 | ND |
| Ocimene | 1 | 0.036 | ND |
| p-Mentha-1,5-diene | 1 | 0.036 | ND |
| Pulegone | 1 | 0.036 | ND |
| Sabinene | 1 | 0.036 | ND |
| Sabinene hydrate | 1 | 0.036 | ND |
| Terpineol | 1 | 0.036 | ND |
| Terpinolene | 1 | 0.036 | ND |
| trans-Nerolidol | 1 | 0.036 | ND |
| Valencene | 1 | 0.036 | ND |

Potency (as Received)

* Most abundant

Cannabinoids

Unit Size: 105g Servings per Unit: 30

Date Prepared: 09/05/24 11:04
Date Analyzed: 09/05/24 19:13
Lab Batch: B24H072

Prep ID: MC
Analyst ID: DH

Specimen Prep: 3.2236 g / 10 mL
Instrument: HPLC
Prep/Analysis Method: ACCU LAB SOP15

| Analyte | Dilution | LOQ | Results | | | |
|-------------|----------|---------|---------|---|------------|---------|
| | | | % | % | mg/Serving | mg/Unit |
| CBC | 20 | 0.00620 | 0.0154 | | 0.50 | 14.89 |
| CBCA | 20 | 0.00620 | ND | | ND | ND |
| CBD | 20 | 0.00620 | 0.325 | | 10.48 | 314.30 |
| CBDA | 20 | 0.00620 | ND | | ND | ND |
| CBDV | 20 | 0.00620 | ND | | ND | ND |
| CBDVA | 20 | 0.00620 | ND | | ND | ND |
| CBG | 20 | 0.00620 | ND | | ND | ND |
| CBGA | 20 | 0.00620 | ND | | ND | ND |
| CBN | 20 | 0.00620 | 0.175 | | 5.64 | 169.20 |
| delta-8-THC | 20 | 0.00620 | ND | | ND | ND |
| delta-9-THC | 20 | 0.00620 | 0.00819 | | 0.26 | 7.92 |
| THCA | 20 | 0.00620 | ND | | ND | ND |
| THCV | 20 | 0.00620 | ND | | ND | ND |
| THCVA | 20 | 0.00620 | ND | | ND | ND |

Total Terpenes mg/g

0.07

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PJLA
Testing
Accreditation#: 109150

Dr. Harry Behzadi, PhD.
President, CEO



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Cultivation Facility: N/A
Processing Facility: N/A
Sampling: SOP 21

COMPLIANCE FOR RETAIL

Sample Name: 5mg CBN 10mg Full Spectrum Hemp Oil, Gummies Black Berry Passion Flower

Date Sampled: 09/03/2024

Lab Sample ID: F409055-01

Matrix: Non-Inhalable Product

Date Received: 09/03/2024

Retail Batch Total Wt/Vol: N/A

Retail Batch Total Units: N/A

Date Reported: 09/10/2024

Retail Batch Date: N/A

Total Wt, Vol or Unit Sampled: 1

Pesticides

Date Prepared: 09/05/24 12:07

Prep ID: KF

Specimen Prep: 1.03 g / 10 mL

Date Analyzed: 09/05/24 20:47

Analyst ID: AJ

Instrument: LC/MS/MS

Batch: B241011

Prep Method: LAB SOP 8 Analysis Method: ACCU LAB SOP18

Pass

| Analyte | DIL | Action Limit | LOQ | Results | Status | Analyte | DIL | Action Limit | LOQ | Results | Status |
|---------------------|-----|--------------|-----|---------|--------|-------------------------|-----|--------------|-----|---------|--------|
| | | ppb | ppb | ppb | | | | ppb | ppb | ppb | |
| Abamectin | 10 | 300 | 4.9 | ND | Pass | Imidacloprid | 10 | 3000 | 4.9 | ND | Pass |
| Acephate | 10 | 3000 | 4.9 | ND | Pass | Kresoxim methyl | 10 | 1000 | 4.9 | ND | Pass |
| Acequinocyl | 10 | 2000 | 4.9 | ND | Pass | Malathion | 10 | 2000 | 4.9 | ND | Pass |
| Acetamiprid | 10 | 3000 | 4.9 | ND | Pass | Metalaxyl | 10 | 3000 | 4.9 | ND | Pass |
| Aldicarb | 10 | 100 | 4.9 | ND | Pass | Methiocarb | 10 | 100 | 4.9 | ND | Pass |
| Azoxystrobin | 10 | 3000 | 4.9 | ND | Pass | Methomyl | 10 | 100 | 4.9 | ND | Pass |
| Bifenazate | 10 | 3000 | 4.9 | ND | Pass | Mevinphos | 10 | 100 | 4.9 | ND | Pass |
| Bifenthrin | 10 | 500 | 4.9 | ND | Pass | Myclobutanil | 10 | 3000 | 4.9 | ND | Pass |
| Boscalid | 10 | 3000 | 4.9 | ND | Pass | Naled | 10 | 500 | 4.9 | ND | Pass |
| Carbaryl | 10 | 500 | 4.9 | ND | Pass | Oxamyl | 10 | 500 | 4.9 | ND | Pass |
| Carbofuran | 10 | 100 | 4.9 | ND | Pass | Pacllobutrazol | 10 | 100 | 4.9 | ND | Pass |
| Chlorantraniliprole | 10 | 3000 | 4.9 | ND | Pass | Permethrin | 10 | 1000 | 4.9 | ND | Pass |
| Chlorfenapyr | 10 | 100 | 4.9 | ND | Pass | Phosmet | 10 | 200 | 4.9 | ND | Pass |
| Chlormequat | 10 | 3000 | 4.9 | ND | Pass | Piperonyl butoxide | 10 | 3000 | 4.9 | ND | Pass |
| Chlorpyrifos | 10 | 100 | 4.9 | ND | Pass | Prallethrin | 10 | 400 | 4.9 | ND | Pass |
| Clofentezine | 10 | 500 | 4.9 | ND | Pass | Propiconazole | 10 | 1000 | 4.9 | ND | Pass |
| Coumaphos | 10 | 100 | 4.9 | ND | Pass | Propoxur | 10 | 100 | 4.9 | ND | Pass |
| Cyfluthrin | 10 | 1000 | 4.9 | ND | Pass | Pyrethrins | 10 | 1000 | 4.9 | ND | Pass |
| Cypermethrin | 10 | 1000 | 4.9 | ND | Pass | Pyridaben | 10 | 3000 | 4.9 | ND | Pass |
| Daminozide | 10 | 100 | 4.9 | ND | Pass | Spinetoram J | 10 | 3000 | 4.9 | ND | Pass |
| Diazinon | 10 | 200 | 4.9 | ND | Pass | Spinetoram L | 10 | 3000 | 4.9 | ND | Pass |
| Dichlorvos | 10 | 100 | 4.9 | ND | Pass | Spinosyn A | 10 | 3000 | 4.9 | ND | Pass |
| Dimethoate | 10 | 100 | 4.9 | ND | Pass | Spinosyn D | 10 | 3000 | 4.9 | ND | Pass |
| Dimethomorph | 10 | 3000 | 4.9 | ND | Pass | Spiromesifen | 10 | 3000 | 4.9 | ND | Pass |
| Ethoprophos | 10 | 100 | 4.9 | ND | Pass | Spirotetramat | 10 | 3000 | 4.9 | ND | Pass |
| Etofenprox | 10 | 100 | 4.9 | ND | Pass | Spiroxamine | 10 | 100 | 4.9 | ND | Pass |
| Etoazole | 10 | 1500 | 4.9 | ND | Pass | Tebuconazole | 10 | 1000 | 4.9 | ND | Pass |
| Fenhexamid | 10 | 3000 | 4.9 | ND | Pass | Thiacloprid | 10 | 100 | 4.9 | ND | Pass |
| Fenoxycarb | 10 | 100 | 4.9 | ND | Pass | Thiamethoxam | 10 | 1000 | 4.9 | ND | Pass |
| Fenpyroximate | 10 | 2000 | 4.9 | ND | Pass | Trifloxystrobin | 10 | 3000 | 4.9 | ND | Pass |
| Fipronil | 10 | 100 | 4.9 | ND | Pass | Captan | 1 | 3000 | 110 | ND | Pass |
| Fonicamid | 10 | 2000 | 4.9 | ND | Pass | Chlordane | 1 | 100 | 23 | ND | Pass |
| Fludioxonil | 10 | 3000 | 4.9 | ND | Pass | Methyl parathion | 1 | 100 | 23 | ND | Pass |
| Hexythiazox | 10 | 2000 | 4.9 | ND | Pass | Pentachloronitrobenzene | 1 | 200 | 23 | ND | Pass |
| Imazalil | 10 | 100 | 4.9 | ND | Pass | | | | | | |

Definitions and Abbreviations used in this report:

Total CBD = CBD + (CBD-A * 0.877), Total THC = THCA-A * 0.877 + Delta 9 THC

LOQ = Limit of Quantitation, LOD = Limit of Detection, DIL = Dilution Factor, (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram, (µg/g) = Microgram per Gram, (ppm) = Parts per Million, (N/A) Not Analyzed, (ND) Non-Detect. Total Contaminant Load (TCL) - The sum of all Heavy Metals and Agricultural Agents present above the LOQ, but below the Acceptable Limit.

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Cultivation Facility: N/A
Processing Facility: N/A
Sampling: SOP 21

COMPLIANCE FOR RETAIL

Sample Name: 5mg CBN 10mg Full Spectrum Hemp Oil, Gummies Black Berry Passion Flower

Date Sampled: 09/03/2024

Lab Sample ID: F409055-01

Matrix: Non-Inhalable Product

Date Received: 09/03/2024

Retail Batch Total Wt/Vol: N/A

Retail Batch Total Units: N/A

Date Reported: 09/10/2024

Retail Batch Date: N/A

Total Wt, Vol or Unit Sampled: 1

Microbials

Pass

| Analyte | Action Limit | | Results | Status |
|--------------------------|--------------|------|---------|--------|
| | cfu/g | LOQ | | |
| Aspergillus Flavus | 1 | 1.00 | <1.00 | Pass |
| Aspergillus Fumigatus | 1 | 1.00 | <1.00 | Pass |
| Aspergillus Niger | 1 | 1.00 | <1.00 | Pass |
| Aspergillus Terreus | 1 | 1.00 | <1.00 | Pass |
| E. coli specific gene | 1 | 1.00 | <1.00 | Pass |
| E. coli/shigella spp. | 1 | 1.00 | <1.00 | Pass |
| Salmonella specific gene | 1 | 1.00 | <1.00 | Pass |
| Stx1 gene | 1 | 1.00 | <1.00 | Pass |
| Stx2 gene | 1 | 1.00 | <1.00 | Pass |

Date Prepared: 09/04/24 14:00 Prep ID: ES Specimen Prep: 1 g / 1 g
Date Analyzed: 09/06/24 12:30 Analyst ID: ES Instrument: QPCR

Lab Batch: B24H058 Analysis Method: ACCU LAB SOP14

Mycotoxins

Pass

| Analyte | DIL | Action Limit | | Results | Status |
|--------------|-----|--------------|------|---------|--------|
| | | ppb | ppb | | |
| afatoxin B1 | 10 | 20 | 0.97 | 3.7 | Pass |
| afatoxin B2 | 10 | 20 | 0.97 | ND | Pass |
| afatoxin G1 | 10 | 20 | 0.97 | ND | Pass |
| afatoxin G2 | 10 | 20 | 0.97 | ND | Pass |
| ochratoxin A | 10 | 20 | 0.97 | ND | Pass |

Heavy Metals

Pass

| Analyte | DIL | Action Limit | | Results | Status |
|---------|-----|--------------|-----|---------|--------|
| | | ppb | ppb | | |
| Arsenic | 1 | 1500 | 96 | ND | Pass |
| Cadmium | 1 | 500 | 96 | ND | Pass |
| Lead | 1 | 500 | 96 | ND | Pass |
| Mercury | 1 | 3000 | 96 | ND | Pass |

Date Prepared: 09/04/24 14:55 Extracted By: KC Specimen Prep: 1.04 g / 50 mL
Date Analyzed: 09/04/24 18:27 Analyzed By: NS Instrument: ICPMS

Lab Batch: B24I001 Analysis Method: ACCU LAB SOP19

Water Activity

Pass

| Analyte | Action Limit | | Result | Status |
|----------------|----------------|----------------|--------|--------|
| | A _w | A _w | | |
| Water Activity | 0.85 | 0.59 | 0.59 | Pass |

Date Prepared: 09/05/24 09:13 Prep ID: WM Specimen Prep: 0.5 g / 0.5 g
Date Analyzed: 09/05/24 09:13 Analyst ID: WM Instrument: Rotronic Water Activity Probe

Lab Batch: B24I009 Analysis Method: ACCU LAB SOP10

Foreign Materials

Pass

| Analyte | Action Limit (% by wt) | | Results | Status |
|------------------|------------------------|------|---------|--------|
| | 1% | Pass | | |
| Foreign Material | 1% | Pass | Pass | Pass |

Date Prepared: 09/05/24 08:52 Prep ID: WM Specimen Prep: 0.5 g / 0.5 g
Date Analyzed: 09/05/24 09:13 Analyst ID: WM Instrument: Visual Inspection

Lab Batch: B24I009 Analysis Method: ACCU LAB SOP04

Total Contaminant Load

| | Action Limit | | Results | Status |
|---------------------------------------|--------------|-----|---------|--------|
| | ppb | ppb | | |
| Total Contaminant Load - Overall Sum | 30,000 | ND | ND | Pass |
| Total Contaminant Load - Heavy Metals | 30,000 | ND | ND | Pass |
| Total Contaminant Load - Pesticides | 30,000 | ND | ND | Pass |

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Sampling: SOP 21

COMPLIANCE FOR RETAIL

Sample Name: 5mg CBN 10mg Full Spectrum Hemp Oil, Gummies Black Berry Passion Flower

Lab Sample ID: F409055-01

Matrix: Non-Inhalable Product

Date Sampled: 09/03/2024

Retail Batch Total Wt/Vol: N/A

Retail Batch Total Units: N/A

Date Received: 09/03/2024

Retail Batch Date: N/A

Total Wt, Vol or Unit Sampled: 1

Date Reported: 09/10/2024

Residual Solvents

Pass

Date Prepared: 09/05/24 11:20 Prep ID: DH Specimen Prep: 0.1056 g / 1 mL
Date Analyzed: 09/05/24 22:45 Analyst ID: DH Instrument: Headspace GC-FID
Lab Batch: B241006 Analysis Method: ACCU LAB SOP16

| Analyte | DIL | Action Limit | LOQ | Results | Status |
|--------------------|-----|--------------|------|---------|--------|
| | | ppm | ppm | ppm | |
| 1,1-Dichloroethene | 1 | 8 | 1.9 | ND | Pass |
| 1,2-Dichloroethane | 1 | 2 | 1.9 | ND | Pass |
| 2-Propanol (IPA) | 1 | 500 | 19 | ND | Pass |
| Acetone | 1 | 750 | 19 | ND | Pass |
| Acetonitrile | 1 | 60 | 19 | ND | Pass |
| Benzene | 1 | 1 | 0.19 | ND | Pass |
| Butane | 1 | 5000 | 9.5 | ND | Pass |
| Chloroform | 1 | 2 | 1.9 | ND | Pass |
| Ethanol | 1 | 5000 | 19 | ND | Pass |
| Ethyl acetate | 1 | 400 | 1.9 | ND | Pass |
| Ethyl ether | 1 | 500 | 1.9 | ND | Pass |
| Ethylene oxide | 1 | 5 | 1.9 | ND | Pass |
| Methanol | 1 | 250 | 19 | 29 | Pass |
| Methylene chloride | 1 | 125 | 1.9 | ND | Pass |
| n-Heptane | 1 | 5000 | 1.9 | ND | Pass |
| n-Hexane | 1 | 250 | 0.38 | ND | Pass |
| Pentane | 1 | 750 | 0.63 | ND | Pass |
| Propane | 1 | 5000 | 19 | ND | Pass |
| Toluene | 1 | 150 | 1.9 | ND | Pass |
| Total xylenes | 1 | 150 | 4.7 | ND | Pass |
| Trichloroethene | 1 | 25 | 1.9 | ND | Pass |

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