



# Certificate of Analysis

Groove Solventless

Sample: 2504FID1902.9933

Strain: Blueberry Muffin

Batch #: a; Lot #:

METRC Batch: 1A4080100013EC1000009670; METRC Sample: 1A4080100013EC1000009760

Analysis Initiated: 04/11/2025; Report Created: 04/16/2025

Sampling SOP: SOP-0050

## Blueberry Muffin Cartridge - Solventless Hash Oil (HB97) (9670)

Concentrates & Extracts, Live Rosin, Pressing  
Harvest/Production Date: 04/07/2025



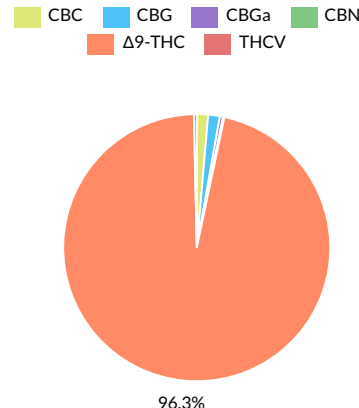
|                                                                                   |                                                      |                                     |                                   |
|-----------------------------------------------------------------------------------|------------------------------------------------------|-------------------------------------|-----------------------------------|
|  | <b>67.58%</b><br>Total Potential<br>Psychoactive THC | <b>ND</b><br>Total CBD              | <b>Pass</b><br>Foreign Matter     |
|                                                                                   | <b>67.58%</b><br>Total Raw THC                       | <b>70.15%</b><br>Total Cannabinoids | <b>Complete</b><br>NR<br>Moisture |

## Cannabinoids

Pass

Analytical Calibration Batch: Cannabinoids AF 03312025

| Analyte      | LOQ  | Mass         | Mass         |
|--------------|------|--------------|--------------|
|              | %    | %            | mg/g         |
| THCa         | 0.09 | ND           | ND           |
| Δ9-THC       | 0.09 | 67.58        | 675.8        |
| THCVa        | 0.09 | ND           | ND           |
| THCV         | 0.09 | 0.24         | 2.4          |
| CBDa         | 0.09 | ND           | ND           |
| CBD          | 0.09 | ND           | ND           |
| CBN          | 0.09 | 0.11         | 1.1          |
| CBGa         | 0.09 | 0.27         | 2.7          |
| CBG          | 0.09 | 0.99         | 9.9          |
| CBC          | 0.09 | 0.96         | 9.6          |
| <b>Total</b> |      | <b>70.15</b> | <b>701.5</b> |



Total Potential Psychoactive THC = THCa \* 0.877 + Δ9-THC | Total CBD = CBDa \* 0.877 + CBD

LOQ = Limit of Quantitation; NT = Not Tested; NR = Not Reported; ND = None Detected.

SOP-0041: Full spectrum cannabinoid analysis by High Performance Liquid Chromatography with UV detection (HPLC-UV). Reported result is based on sample dry weight. SOP-0035: Foreign matter inspection includes but is not limited to hair, insects, stems, seeds, and feces. SOP-0036: Moisture analysis. Testing listed above may not be included in our current PJLA scope of accreditation. Please consult PJLA Certificate# 102722 for a list of current accredited tests.



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Accredited to ISO/IEC 17025:2017  
Accreditation #: 102722

Andre Umansky  
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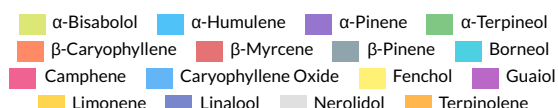
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## Terpenes

Analytical Calibration Batch: Terpenes 03112025

| Analyte             | LOQ   | Result | Result |
|---------------------|-------|--------|--------|
|                     | %     | %      | mg/g   |
| β-Caryophyllene     | 0.008 | 3.773  | 37.73  |
| α-Bisabolol         | 0.008 | 1.230  | 12.30  |
| α-Humulene          | 0.008 | 1.114  | 11.14  |
| Limonene            | 0.008 | 0.894  | 8.94   |
| β-Myrcene           | 0.008 | 0.668  | 6.68   |
| Linalool            | 0.008 | 0.541  | 5.41   |
| Guaiol              | 0.008 | 0.432  | 4.32   |
| Nerolidol           |       | 0.385  | 3.85   |
| α-Pinene            | 0.008 | 0.124  | 1.24   |
| β-Pinene            | 0.008 | 0.093  | 0.93   |
| α-Terpineol         | 0.005 | 0.085  | 0.85   |
| Fenchol             | 0.003 | 0.084  | 0.84   |
| Camphene            | 0.008 | 0.036  | 0.36   |
| Terpinolene         | 0.008 | 0.035  | 0.35   |
| Borneol             | 0.003 | 0.033  | 0.33   |
| Caryophyllene Oxide | 0.008 | 0.027  | 0.27   |
| α-Phellandrene      | 0.003 | ND     | ND     |
| α-Terpinene         | 0.008 | ND     | ND     |
| β-Humulene          |       | NR     | NR     |
| δ-3-Carene          | 0.008 | ND     | ND     |
| Eucalyptol          | 0.008 | ND     | ND     |
| γ-Terpinene         | 0.008 | ND     | ND     |
| Geraniol            | 0.008 | ND     | ND     |
| Geranyl Acetate     | 0.003 | ND     | ND     |
| Isopulegol          | 0.008 | ND     | ND     |
| Ocimene             | 0.008 | ND     | ND     |
| p-Cymene            | 0.008 | ND     | ND     |
| Total               |       | 9.554  | 95.54  |



## Primary Aromas



Cinnamon



Chamomile



Hops



Orange



Lavender

LOQ = Limit of Quantitation; NT = Not Tested; NR = Not Reported; ND = None Detected. Results based on dry weight. SOP-0037; GC-FID Analysis of Terpenes in Cannabis and Cannabis Products. Testing listed above may not be included in our current PJLA scope of accreditation. Please consult PJLA Certificate# 102722 for a list of current accredited tests.



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## Residual Solvents

Not Tested

Analytical Calibration Batch:

| Analyte | LOQ | State Limits | Mass | Status | Analyte | LOQ | State Limits | Mass | Status |
|---------|-----|--------------|------|--------|---------|-----|--------------|------|--------|
|---------|-----|--------------|------|--------|---------|-----|--------------|------|--------|

LOQ = Limit of Quantitation; NT = Not Tested; NR = Not Reported; ND = None Detected. PPM = Parts per Million. SOP-0060; A mass spectrum analysis of Residual Solvents using Gas Chromatography Mass Spectrometry (Thermo Scientific ISQ7000 GCMS).

## Mycotoxins

Pass

Analytical Calibration Batch: 04/14/2025

| Analyte          | LOQ | State Limit | Mass | Status |
|------------------|-----|-------------|------|--------|
|                  | PPB | PPB         | PPB  |        |
| Ochratoxin A     | 12  | 20          | ND   | Pass   |
| Total Aflatoxins | 20  | 20          | ND   | Pass   |

LOQ = Limit of Quantitation; NT = Not Tested; NR = Not Reported; ND = None Detected. PPB = Parts per Billion. SOP-0042; Pesticide &amp; Mycotoxin screening is performed using Sciex 6500+ LCMSMS with Exion XR front HPLC.

## Microbials

Pass

| Analyte               | Limit                | Mass  | Status |
|-----------------------|----------------------|-------|--------|
|                       | CFU/g                | CFU/g |        |
| Mold                  | 10000                | NR    | NT     |
| Aspergillus flavus    | Not Detected in 1.0g | ND    | Pass   |
| Aspergillus fumigatus | Not Detected in 1.0g | ND    | Pass   |
| Aspergillus niger     | Not Detected in 1.0g | ND    | Pass   |
| Aspergillus terreus   | Not Detected in 1.0g | ND    | Pass   |
| Salmonella            | Not Detected in 1.0g | ND    | Pass   |
| STEC                  | Not Detected in 1.0g | ND    | Pass   |

NT = Not Tested; NR = Not Reported; ND = None Detected. TNTC = Too Numerous to Count; SOP-0058: STEC and Salmonella analysis on AriaDX qPCR using Medicinal Genomics validated methods. SOP-0063: Aspergillus species specific analysis on AriaDX qPCR using Medicinal Genomics validated methods. SOP-0061: Mold enumeration using Hardy Diagnostics media.

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Harvest/Production Date: 04/07/2025

## Pesticides

Pass

Analytical Calibration Batch: 04/14/2025

| Analyte             | LOQ  | State Limit | Expanded Limit | Mass | Status | Analyte            | LOQ  | State Limit | Expanded Limit | Mass | Status |
|---------------------|------|-------------|----------------|------|--------|--------------------|------|-------------|----------------|------|--------|
|                     | PPM  | PPM         | PPM            | PPM  |        |                    | PPM  | PPM         | PPM            | PPM  |        |
| Abamectin           | 0.16 | 0.5         | 0.5            | ND   | Pass   | Imazalil           | 0.16 | 0.2         | 0.2            | ND   | Pass   |
| Acephate            | 0.30 | 0.4         | 0.4            | ND   | Pass   | Imidacloprid       | 0.16 | 0.4         | 2              | ND   | Pass   |
| Acequinocyl         | 0.16 | 2           | 2              | ND   | Pass   | Kresoxim Methyl    | 0.16 | 0.4         | 0.4            | ND   | Pass   |
| Acetamiprid         | 0.16 | 0.2         | 0.2            | ND   | Pass   | Malathion          | 0.16 | 0.2         | 0.2            | ND   | Pass   |
| Aldicarb            | 0.31 | 0.4         | 0.4            | ND   | Pass   | Metalaxyl          | 0.16 | 0.2         | 0.2            | ND   | Pass   |
| Azoxystrobin        | 0.16 | 0.2         | 0.2            | ND   | Pass   | Methiocarb         | 0.16 | 0.2         | 0.2            | ND   | Pass   |
| Bifenazate          | 0.16 | 0.2         | 0.2            | ND   | Pass   | Methomyl           | 0.16 | 0.4         | 0.4            | ND   | Pass   |
| Bifenthrin          | 0.16 | 0.2         | 0.2            | ND   | Pass   | Methyl Parathion   | 0.16 | 0.2         | 0.2            | ND   | Pass   |
| Boscalid            | 0.16 | 0.4         | 0.4            | ND   | Pass   | MGK-264            | 0.16 | 0.2         | 0.2            | ND   | Pass   |
| Carbaryl            | 0.16 | 0.2         | 0.2            | ND   | Pass   | Myclobutanil       | 0.16 | 0.2         | 0.2            | ND   | Pass   |
| Carbofuran          | 0.16 | 0.2         | 0.2            | ND   | Pass   | Naled              | 0.16 | 0.5         | 0.5            | ND   | Pass   |
| Chlorantraniliprole | 0.16 | 0.2         | 0.2            | ND   | Pass   | Oxamyl             | 0.16 | 1           | 1              | ND   | Pass   |
| Chlorfenapyr        | 0.31 | 1           | 1              | ND   | Pass   | Paclobutrazol      | 0.16 | 0.4         | 0.4            | ND   | Pass   |
| Chlorpyrifos        | 0.16 | 0.2         | 0.2            | ND   | Pass   | Permethrin         | 0.16 | 0.2         | 0.2            | ND   | Pass   |
| Clofentezine        | 0.16 | 0.2         | 0.2            | ND   | Pass   | Phosmet            | 0.16 | 0.2         | 0.2            | ND   | Pass   |
| Cyfluthrin          | 0.31 | 1           | 1              | ND   | Pass   | Piperonyl Butoxide | 0.16 | 2           | 2              | ND   | Pass   |
| Cypermethrin        | 0.16 | 1           | 1              | ND   | Pass   | Prallethrin        | 0.16 | 0.2         | 0.2            | ND   | Pass   |
| Daminozide          | 0.16 | 1           | 1              | ND   | Pass   | Propiconazole      | 0.16 | 0.4         | 0.4            | ND   | Pass   |
| Diazinon            | 0.16 | 0.2         | 0.2            | ND   | Pass   | Propoxur           | 0.16 | 0.2         | 0.2            | ND   | Pass   |
| Dichlorvos          | 0.16 | 1           | 1              | ND   | Pass   | Pyrethrins         | 0.16 | 1           | 1              | ND   | Pass   |
| Dimethoate          | 0.16 | 0.2         | 0.2            | ND   | Pass   | Pyridaben          | 0.16 | 0.2         | 0.2            | ND   | Pass   |
| Ethoprophos         | 0.16 | 0.2         | 0.2            | ND   | Pass   | Spinosad           | 0.16 | 0.2         | 0.2            | ND   | Pass   |
| Etofenprox          | 0.16 | 0.4         | 0.4            | ND   | Pass   | Spiromesifen       | 0.16 | 0.2         | 0.2            | ND   | Pass   |
| Etoazole            | 0.16 | 0.2         | 0.2            | ND   | Pass   | Spirotetramat      | 0.16 | 0.2         | 0.2            | ND   | Pass   |
| Fenoxycarb          | 0.16 | 0.2         | 0.2            | ND   | Pass   | Spiroxamine        | 0.16 | 0.4         | 0.4            | ND   | Pass   |
| Fenpyroximate       | 0.16 | 0.4         | 0.4            | ND   | Pass   | Tebuconazole       | 0.16 | 0.4         | 0.4            | ND   | Pass   |
| Fipronil            | 0.16 | 0.4         | 0.4            | ND   | Pass   | Thiacloprid        | 0.16 | 0.2         | 0.2            | ND   | Pass   |
| Flonicamid          | 0.16 | 1           | 1              | ND   | Pass   | Thiamethoxam       | 0.16 | 0.2         | 0.2            | ND   | Pass   |
| Fludioxonil         | 0.16 | 0.4         | 0.4            | ND   | Pass   | Trifloxystrobin    | 0.16 | 0.2         | 0.2            | ND   | Pass   |
| Hexythiazox         | 0.16 | 1           | 1              | ND   | Pass   |                    |      |             |                |      |        |

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