



# Certificate of Analysis

Sample: 2112FID3923.26573

Strain: Blueberry Muffin

Batch #: A; Lot #:

METRC Batch: 1A408010000E4E9000000248; METRC Sample: 1A408010000E4E9000000282

Analysis Initiated: 12/21/2021; Report Created: 12/23/2021

Sampling SOP: SOP-0050

## Blueberry Muffin Badder (H4)

Concentrates & Extracts, Live Rosin, Pressing

Harvest/Production Date: 12/13/2021



**77.25%**  
Total Potential  
Psychoactive THC

**0.24%**  
Total CBD

**Pass**  
Foreign Matter

**88.03%**  
Total Raw THC

**89.89%**  
Total Cannabinoids

**Complete**  
NR  
Moisture

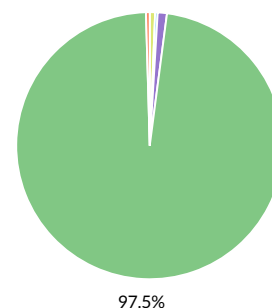
## Cannabinoids

Pass

Analytical Calibration Batch: Cannabinoids AF 11162021

| Analyte         | LOQ  | Mass         | Mass         |
|-----------------|------|--------------|--------------|
|                 | %    | %            | mg/g         |
| THCa            | 0.09 | 87.62        | 876.2        |
| $\Delta^9$ -THC | 0.09 | 0.41         | 4.1          |
| $\Delta^8$ -THC | 0.09 | ND           | ND           |
| THCV            | 0.09 | ND           | ND           |
| CBDa            | 0.09 | 0.27         | 2.7          |
| CBD             | 0.09 | ND           | ND           |
| CBN             | 0.09 | ND           | ND           |
| CBGa            | 0.09 | 1.00         | 10.0         |
| CBG             | 0.09 | 0.58         | 5.8          |
| CBC             | 0.09 | ND           | ND           |
| <b>Total</b>    |      | <b>89.89</b> | <b>898.9</b> |

CBG CBDa CBGa THCa  
 $\Delta^9$ -THC



Total Potential Psychoactive THC = THCa \* 0.877 +  $\Delta^9$ -THC

Total CBD = CBDa \* 0.877 + CBD

LOQ = Limit of Quantitation; NT = Not Tested; NR = Not Reported; ND = None Detected; PPM = Parts per Million; PPB = Parts per Billion; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.

SOP-0037: Full spectrum cannabinoid analysis utilizing Shimadzu Prominence High Performance Liquid Chromatography with UV detection (HPLC-UV).

SOP-0035: Foreign matter inspection includes but is not limited to hair, insects, stems, and feces. Filth is inspected using a M16-209 stereoscope. Stem measurements are performed using fisher calipers.

SOP-0036: Moisture analysis is performed using a Shimadzu moisture analyzer MOC63u UL.



Fidelity Diagnostics Laboratory  
216 Trade St.  
Missoula, MT 59808  
(406) 926-2211  
<http://www.fidim.com>  
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Accreditation #: 102722

Andre Umansky  
Laboratory Director

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[support@confidentcannabis.com](mailto:support@confidentcannabis.com)  
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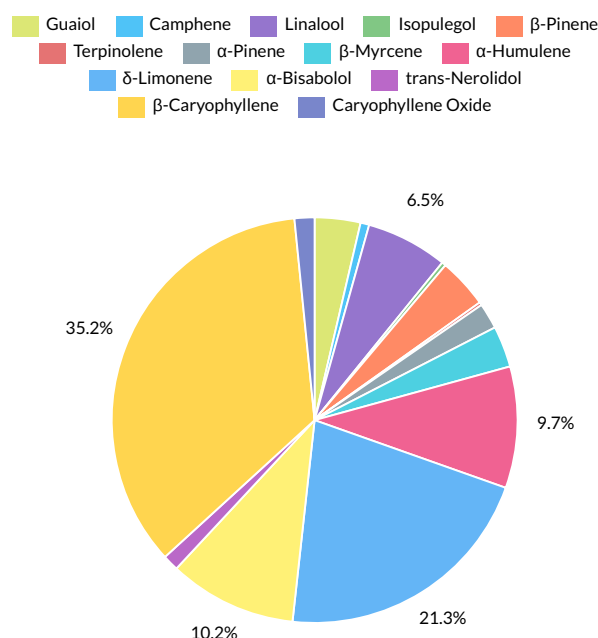
Harvest/Production Date: 12/13/2021



## Terpenes

Analytical Calibration Batch: Terpenes 12132021

| Analyte             | LOQ   | Mass         | Mass         |
|---------------------|-------|--------------|--------------|
|                     | %     | %            | mg/g         |
| β-Caryophyllene     | 0.008 | 3.050        | 30.50        |
| δ-Limonene          | 0.008 | 1.848        | 18.48        |
| α-Bisabolol         | 0.008 | 0.884        | 8.84         |
| α-Humulene          | 0.008 | 0.839        | 8.39         |
| Linalool            | 0.008 | 0.563        | 5.63         |
| β-Pinene            | 0.008 | 0.345        | 3.45         |
| Guaiol              | 0.008 | 0.316        | 3.16         |
| β-Myrcene           | 0.008 | 0.285        | 2.85         |
| α-Pinene            | 0.008 | 0.179        | 1.79         |
| Caryophyllene Oxide | 0.008 | 0.138        | 1.38         |
| trans-Nerolidol     | 0.008 | 0.111        | 1.11         |
| Camphene            | 0.008 | 0.060        | 0.60         |
| Terpinolene         | 0.008 | 0.021        | 0.21         |
| α-Terpinene         | 0.008 | ND           | ND           |
| cis-Nerolidol       | 0.008 | ND           | ND           |
| δ-3-Carene          | 0.008 | ND           | ND           |
| Eucalyptol          | 0.008 | ND           | ND           |
| γ-Terpinene         | 0.008 | ND           | ND           |
| Geraniol            | 0.008 | ND           | ND           |
| Ocimene             | 0.008 | ND           | ND           |
| p-Cymene            | 0.008 | ND           | ND           |
| <b>Total</b>        |       | <b>8.666</b> | <b>86.66</b> |



## Primary Aromas



LOQ = Limit of Quantitation; NT = Not Tested; NR = Not Reported; ND = None Detected; PPM = Parts per Million; PPB = Parts per Billion; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. SOP-0044; Terpenoid profile screen is performed using a Thermo Scientific TRACE 1300 Gas Chromatography instrument equipped with a Flame Ionization Detector (GC-FID).



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Sampling SOP: SOP-0050

## Blueberry Muffin Badder (H4)

Concentrates & Extracts, Live Rosin, Pressing

Harvest/Production Date: 12/13/2021



## Residual Solvents

Analytical Calibration Batch: R.S. 12132021

Pass

| Analyte         | LOQ | State Limits | Mass | Status | Analyte     | LOQ | State Limits | Mass | Status |
|-----------------|-----|--------------|------|--------|-------------|-----|--------------|------|--------|
|                 | PPM | PPM          | PPM  |        |             | PPM | PPM          | PPM  |        |
| Acetone         | 400 | 5000         | ND   | Pass   | Hexanes     | 20  | 290          | ND   | Pass   |
| Benzene         | 2   | 2            | ND   | Pass   | Isopropanol | 400 | 5000         | <LOQ | Pass   |
| Butanes         | 40  | 5000         | ND   | Pass   | Methanol    | 400 | 3000         | <LOQ | Pass   |
| Chloroform      | 2   | 2            | ND   | Pass   | Pentanes    | 20  | 5000         | ND   | Pass   |
| Cyclohexane     | 20  | 3880         | ND   | Pass   | Propane     | 40  | 5000         | ND   | Pass   |
| Dichloromethane | 20  | 5000         | ND   | Pass   | Toluene     | 20  | 890          | ND   | Pass   |
| Ethyl-Acetate   | 20  | 5000         | ND   | Pass   | Xylenes     | 20  | 2170         | ND   | Pass   |
| Heptanes        | 20  | 5000         | ND   | Pass   |             |     |              |      |        |

LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.

SOP-0056; A wide spectrum analysis of Residual Solvents using Gas Chromatography Mass Spectrometry (Thermo Scientific ISQ7000 GCMS).

## Mycotoxins

Pass

Analytical Calibration Batch: 12/1/2021

| 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; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. SOP-0048; Mycotoxin screening is performed using Sciex 6500+ LCMSMS with Exion XR front HPLC.

## Microbials

Pass

| Analyte                              | Limit  | Mass  | Status |
|--------------------------------------|--------|-------|--------|
|                                      | CFU/g  | CFU/g |        |
| Aerobic Bacteria                     | 100000 | NR    | NT     |
| Bile-Tolerant Gram-Negative Bacteria | 10000  | NR    | NT     |
| E. Coli                              | 1      | ND    | Pass   |
| Mold                                 | 10000  | ND    | Pass   |
| Salmonella                           |        | ND    | Pass   |

LOQ = Limit of Quantitation; TNC = Too Numerous to Count; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. SOP-0057: Mold, E.Coli, and Salmonella analysis on AriaDX qPCR using Medicinal Genomics validated methods. SOP-0061: Mold enumeration using Hardy Diagnostics media.



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## Pesticides

Analytical Calibration Batch: 12/1/2021

Pass

| Analyte         | LOQ  | State Limit | Expanded Limit | Mass | Status |
|-----------------|------|-------------|----------------|------|--------|
|                 | PPM  | PPM         | PPM            | PPM  |        |
| Abamectin       | 0.30 | 2.5         | 2.5            | ND   | Pass   |
| Acequinocyl     | 0.30 | 10          | 10             | ND   | Pass   |
| Bifenazate      | 0.30 | 1           | 1              | ND   | Pass   |
| Bifenthrin      | 0.30 | 1           | 1              | ND   | Pass   |
| Chloromequat    | 0.30 | 5           | 5              | ND   | Pass   |
| Cyfluthrin      | 0.30 | 5           | 5              | ND   | Pass   |
| Daminozide      | 0.30 | 5           | 5              | ND   | Pass   |
| Etoxazole       | 0.30 | 1           | 1              | ND   | Pass   |
| Fenoxycarb      | 0.30 | 1           | 1              | ND   | Pass   |
| Imazalil        | 0.30 | 1           | 1              | ND   | Pass   |
| Imidacloprid    | 0.30 | 2           | 2              | ND   | Pass   |
| Myclobutanil    | 0.30 | 0.6         | 0.6            | ND   | Pass   |
| Paclobutrazol   | 0.30 | 2           | 2              | ND   | Pass   |
| Pyrethrins      | 0.30 | 5           | 5              | ND   | Pass   |
| Spinosad        | 0.30 | 1           | 1              | ND   | Pass   |
| Spirotetramat   | 0.30 | 1           | 1              | ND   | Pass   |
| Trifloxystrobin | 0.30 | 1           | 1              | ND   | Pass   |

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