



Groove Solventless

Sample: 2301FID0039.0353

Strain: Marshmallow

Batch #: A; Lot #:

METRC Batch: 1A408010000E4E9000001116; METRC Sample: 1A408010000E4E9000001125

Analysis Initiated: 01/04/2023; Report Created: 01/06/2023

Sampling SOP: SOP-0050

## Marshmallow Solventless Rosin (HB27)

Concentrates & Extracts, Live Rosin, Pressing

Harvest/Production Date: 12/02/2023



**70.65%**  
Total Potential  
Psychoactive THC

**0.11%**  
Total CBD

**Pass**  
Foreign Matter

**80.44%**  
Total Raw THC

**85.11%**  
Total Cannabinoids

**Complete**  
NR  
Moisture

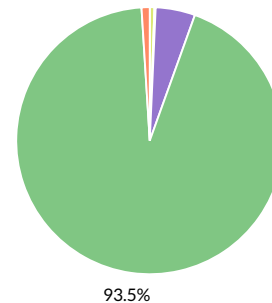
## Cannabinoids

Pass

Analytical Calibration Batch: Cannabinoids AF 12122022

| Analyte      | LOQ  | Mass         | Mass         |
|--------------|------|--------------|--------------|
|              | %    | %            | mg/g         |
| THCa         | 0.09 | 79.59        | 795.9        |
| Δ9-THC       | 0.09 | 0.84         | 8.4          |
| Δ8-THC       | 0.09 | ND           | ND           |
| THCV         | 0.09 | ND           | ND           |
| CBDa         | 0.09 | 0.12         | 1.2          |
| CBD          | 0.09 | ND           | ND           |
| CBN          | 0.09 | ND           | ND           |
| CBGa         | 0.09 | 4.07         | 40.7         |
| CBG          | 0.09 | 0.48         | 4.8          |
| CBC          | 0.09 | ND           | ND           |
| <b>Total</b> |      | <b>85.11</b> | <b>851.1</b> |

Legend: CBG (Yellow), CBDa (Blue), CBGa (Purple), THCa (Green), Δ9-THC (Orange)



Total Potential Psychoactive THC = THCa \* 0.877 + d9-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; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.

SOP-0037; 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, 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.



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Accreditation #: 102722

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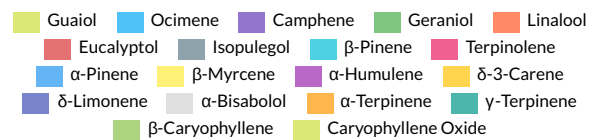
Harvest/Production Date: 12/02/2023



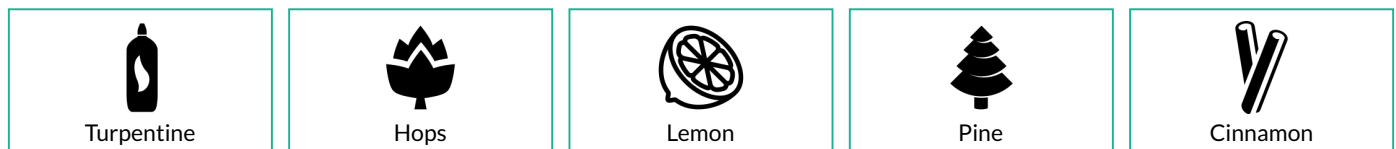
## Terpenes

Analytical Calibration Batch: Terpenes 12/13/2022

| Analyte             | LOQ   | Mass         | Mass         |
|---------------------|-------|--------------|--------------|
|                     | %     | %            | mg/g         |
| Terpinolene         | 0.008 | 1.985        | 19.85        |
| β-Myrcene           | 0.008 | 0.703        | 7.03         |
| δ-Limonene          | 0.008 | 0.504        | 5.04         |
| β-Pinene            | 0.008 | 0.495        | 4.95         |
| β-Caryophyllene     | 0.008 | 0.422        | 4.22         |
| Ocimene             | 0.008 | 0.340        | 3.40         |
| α-Pinene            | 0.008 | 0.265        | 2.65         |
| Guaiol              | 0.008 | 0.139        | 1.39         |
| α-Humulene          | 0.008 | 0.139        | 1.39         |
| δ-3-Carene          | 0.008 | 0.124        | 1.24         |
| Linalool            | 0.008 | 0.112        | 1.12         |
| α-Bisabolol         | 0.008 | 0.105        | 1.05         |
| α-Terpinene         | 0.008 | 0.083        | 0.83         |
| γ-Terpinene         | 0.008 | 0.056        | 0.56         |
| Geraniol            | 0.008 | 0.056        | 0.56         |
| Eucalyptol          | 0.008 | 0.030        | 0.30         |
| Isopulegol          | 0.008 | 0.028        | 0.28         |
| Caryophyllene Oxide | 0.008 | 0.022        | 0.22         |
| Camphene            | 0.008 | 0.022        | 0.22         |
| cis-Nerolidol       | 0.008 | ND           | ND           |
| p-Cymene            | 0.008 | ND           | ND           |
| trans-Nerolidol     | 0.008 | ND           | ND           |
| <b>Total</b>        |       | <b>5.630</b> | <b>56.30</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

## Marshmallow Solventless Rosin (HB27)

Concentrates & Extracts, Live Rosin, Pressing

Harvest/Production Date: 12/02/2023



## Residual Solvents

Pass

Analytical Calibration Batch: R.S. 11222022

| 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         | ND   | Pass   |
| Butanes         | 40  | 5000         | ND   | Pass   | Methanol    | 400 | 3000         | ND   | 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: 12/07/2022

| 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 |        |
| 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   |

LOQ = Limit of Quantitation; TNTC = Too Numerous to Count; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. SOP-0057; 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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# Certificate of Analysis

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## Pesticides

Analytical Calibration Batch: 12/07/2022

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 chloride | 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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