



Certificate of Analysis

Groove Solventless

Sample: 2301FID0235.1717

Strain: Logjam

Batch #: A; Lot #:

METRC Batch: 1A408010000E4E9000001153; METRC Sample: 1A408010000E4E9000001164


Analysis Initiated: 01/18/2023; Report Created: 01/20/2023

Sampling SOP: SOP-0050

Logjam Solventless Hash Oil (HB28)

Concentrates & Extracts, Live Rosin, Pressing

Harvest/Production Date: 01/15/2023

| | | |
|---|-------------------------------------|-----------------------------------|
| 81.77% Total Potential Psychoactive THC | ND Total CBD | Pass Foreign Matter |
| 81.77% Total Raw THC | 84.78% Total Cannabinoids | Complete NR Moisture |

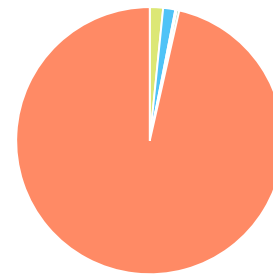
Cannabinoids

Pass

Analytical Calibration Batch: Cannabinoids AF 01042023

| Analyte | LOQ | Mass | Mass |
|--------------|------|--------------|--------------|
| | % | % | mg/g |
| THCa | 0.09 | ND | ND |
| Δ9-THC | 0.09 | 81.77 | 817.7 |
| Δ8-THC | 0.09 | ND | ND |
| THCV | 0.09 | 0.24 | 2.4 |
| CBDa | 0.09 | ND | ND |
| CBD | 0.09 | ND | ND |
| CBN | 0.09 | 0.16 | 1.6 |
| CBGa | 0.09 | ND | ND |
| CBG | 0.09 | 1.24 | 12.4 |
| CBC | 0.09 | 1.36 | 13.6 |
| Total | | 84.78 | 847.8 |

Legend: CBC (yellow), CBG (blue), CBN (purple), THCV (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.



Fidelity Diagnostics Laboratory
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License # L-100170-003



Andre Umansky
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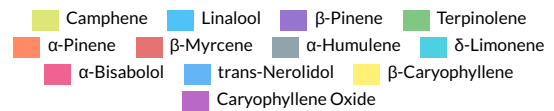
Concentrates & Extracts, Live Rosin, Pressing
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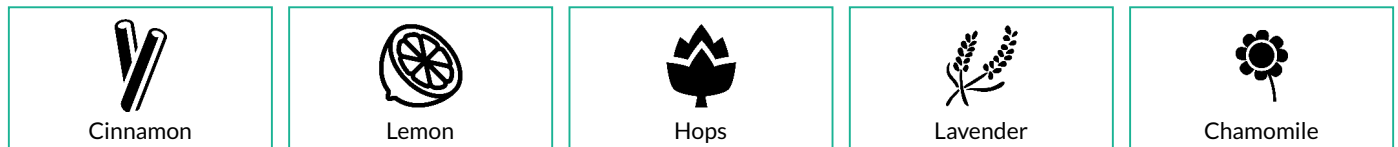
Terpenes

Analytical Calibration Batch: Terpenes 12/13/2022

| Analyte | LOQ | Mass | Mass |
|---------------------|-------|--------------|--------------|
| | % | % | mg/g |
| β-Caryophyllene | 0.008 | 1.213 | 12.13 |
| δ-Limonene | 0.008 | 0.886 | 8.86 |
| β-Myrcene | 0.008 | 0.652 | 6.52 |
| Linalool | 0.008 | 0.564 | 5.64 |
| α-Humulene | 0.008 | 0.434 | 4.34 |
| α-Bisabolol | 0.008 | 0.303 | 3.03 |
| α-Pinene | 0.008 | 0.213 | 2.13 |
| β-Pinene | 0.008 | 0.165 | 1.65 |
| trans-Nerolidol | 0.008 | 0.113 | 1.13 |
| Camphene | 0.008 | 0.058 | 0.58 |
| Caryophyllene Oxide | 0.008 | 0.020 | 0.20 |
| Terpinolene | 0.008 | 0.019 | 0.19 |
| 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 |
| Guaiol | 0.008 | ND | ND |
| Isopulegol | 0.008 | ND | ND |
| Ocimene | 0.008 | ND | ND |
| p-Cymene | 0.008 | ND | ND |
| Total | | 4.639 | 46.39 |



Primary Aromas



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Logjam Solventless Hash Oil (HB28)

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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: 01/17/2023

| 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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Pesticides

Analytical Calibration Batch: 01/17/2023

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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