

**SAMPLE NAME: Blueberry Waffles**  
Flower, Hemp

**CULTIVATOR / MANUFACTURER**  
Business Name:  
License Number:  
Address:

**DISTRIBUTOR / TESTED FOR**  
Business Name: Stoney Branch Ag Ventures LLC  
License Number:  
Address:



**SAMPLE DETAIL**

Batch Number: 210  
Sample ID: 240511Q004

Date Collected: 05/11/2024  
Date Received: 05/11/2024  
Batch Size:  
Sample Size:  
Unit Mass:  
Serving Size:



Scan QR code to verify authenticity of results.

**CANNABINOID ANALYSIS - SUMMARY**

**Total THC: 0.72%**  
**Total CBD: 16.46%**  
**Sum of Cannabinoids: 21.66%**  
**Total Cannabinoids: 19.06%**

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:  
Total THC =  $\Delta^8$ -THC + (THCa (0.877))  
Total CBD = CBD + (CBDa (0.877))  
Sum of Cannabinoids =  $\Delta^8$ -THC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa +  $\Delta^8$ -THC + CBL + CBN  
Total Cannabinoids = ( $\Delta^8$ -THC+0.877\*THCa) + (CBD+0.877\*CBDa) + (CBG+0.877\*CBGa) + (THCV+0.877\*THCVa) + (CBC+0.877\*CBCa) + (CBDV+0.877\*CBDVa) +  $\Delta^8$ -THC + CBL + CBN

**TERPENOID ANALYSIS - SUMMARY**

39 TESTED, TOP 3 HIGHLIGHTED

**Total Terpenoids: 1.4108%**

● Myrcene 6.582 mg/g
 ●  $\beta$ -Caryophyllene 1.915 mg/g
 ●  $\beta$ -Ocimene 1.519 mg/g

For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

*Yasmin*  
LQC verified by: Yasmin Kakkar  
Job Title: Senior Laboratory Analyst  
Date: 05/14/2024

*Josh Wurzer*  
Approved by: Josh Wurzer  
Job Title: Chief Compliance Officer  
Date: 05/14/2024

**References:** limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT)



## Cannabinoid Analysis

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

### TOTAL THC: 0.72%

Total THC ( $\Delta^9$ -THC+0.877\*THCa)

### TOTAL CBD: 16.46%

Total CBD (CBD+0.877\*CBDa)

### TOTAL CANNABINOIDS: 19.06%

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) +  $\Delta^8$ -THC + CBL + CBN

### TOTAL CBG: 0.76%

Total CBG (CBG+0.877\*CBGa)

### TOTAL THCV: ND

Total THCV (THCV+0.877\*THCVa)

### TOTAL CBC: 1.03%

Total CBC (CBC+0.877\*CBCa)

### TOTAL CBDV: 0.091%

Total CBDV (CBDV+0.877\*CBDVa)

## CANNABINOID TEST RESULTS - 05/14/2024

| COMPOUND                   | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g)     | RESULT (%)    |
|----------------------------|----------------|--------------------------------|-------------------|---------------|
| CBDa                       | 0.06 / 0.22    | ±6.054                         | 184.00            | 18.400        |
| CBCa                       | 0.1 / 0.4      | ±0.77                          | 11.3              | 1.13          |
| THCa                       | 0.04 / 0.24    | ±0.243                         | 7.58              | 0.758         |
| CBGa                       | 0.1 / 0.4      | ±0.38                          | 7.1               | 0.71          |
| CBD                        | 0.1 / 0.3      | ±0.14                          | 3.2               | 0.32          |
| CBG                        | 0.2 / 0.5      | ±0.09                          | 1.4               | 0.14          |
| CBDVa                      | 0.02 / 0.22    | ±0.009                         | 1.04              | 0.104         |
| $\Delta^9$ -THC            | 0.1 / 0.4      | ±0.02                          | 0.6               | 0.06          |
| CBC                        | 0.1 / 0.2      | ±0.01                          | 0.4               | 0.04          |
| $\Delta^8$ -THC            | 0.05 / 0.50    | N/A                            | ND                | ND            |
| THCV                       | 0.07 / 0.21    | N/A                            | ND                | ND            |
| THCVa                      | 0.05 / 0.17    | N/A                            | ND                | ND            |
| CBDV                       | 0.1 / 0.3      | N/A                            | ND                | ND            |
| CBL                        | 0.1 / 0.4      | N/A                            | ND                | ND            |
| CBN                        | 0.07 / 0.20    | N/A                            | ND                | ND            |
| <b>SUM OF CANNABINOIDS</b> |                |                                | <b>216.6 mg/g</b> | <b>21.66%</b> |

## Terpenoid Analysis

Terpene analysis utilizing gas chromatography-flame ionization detection (GC-FID).

Method: QSP 1192 - Analysis of Terpenoids by GC-FID

### 1 Myrcene

A monoterpene with a fragrance that can be described as peppery, spicy, herbal, floral and woody. Although it has a pleasant odor, it is typically used by the perfume industry as precursor for developing other fragrances. Found in hops, houttuynia, bay, thyme, lemon grass, mango, verbena, cardamom, citrus...etc.

## TERPENOID TEST RESULTS - 05/14/2024

| COMPOUND               | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g) | RESULT (%) |
|------------------------|----------------|--------------------------------|---------------|------------|
| Myrcene                | 0.007 / 0.025  | ±0.2330                        | 6.582         | 0.6582     |
| $\beta$ -Caryophyllene | 0.004 / 0.013  | ±0.1030                        | 1.915         | 0.1915     |
| $\beta$ -Ocimene       | 0.005 / 0.018  | ±0.0597                        | 1.519         | 0.1519     |
| Linalool               | 0.009 / 0.030  | ±0.0291                        | 0.741         | 0.0741     |
| $\alpha$ -Humulene     | 0.009 / 0.031  | ±0.0302                        | 0.561         | 0.0561     |
| $\alpha$ -Bisabolol    | 0.008 / 0.026  | ±0.0233                        | 0.543         | 0.0543     |
| Valencene              | 0.010 / 0.033  | ±0.0279                        | 0.541         | 0.0541     |
| Guaiol                 | 0.011 / 0.035  | ±0.0291                        | 0.535         | 0.0535     |
| Limonene               | 0.005 / 0.016  | ±0.0121                        | 0.371         | 0.0371     |
| Nerolidol              | 0.006 / 0.020  | ±0.0190                        | 0.240         | 0.0240     |
| Terpineol              | 0.008 / 0.025  | ±0.0080                        | 0.130         | 0.0130     |
| Caryophyllene Oxide    | 0.011 / 0.038  | ±0.0067                        | 0.113         | 0.0113     |
| $\beta$ -Pinene        | 0.004 / 0.015  | ±0.0032                        | 0.098         | 0.0098     |

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## Terpenoid Analysis *Continued*

### TERPENOID TEST RESULTS - 05/14/2024 *continued*

#### 2 $\beta$ -Caryophyllene

A sesquiterpene with a fragrance that can be described as spicy, woody, dry, dusty and mildly sweet. It was one of the first organic compounds to fully synthesized in a laboratory and plays a role in the endocannabinoid system as it is a functional CB<sub>2</sub> receptor agonist. Found in black pepper, clove, hops, rosemary, black-jack, perilla, spicebush, Indian pennywort, celery, frankincense, vitex, parsley, marigold, tamarind...etc.

#### 3 $\beta$ -Ocimene

A monoterpene with a fragrance that can be described as herbal, earthy, sweet with a hint of citrus. It is derived from members of the *Ocimum* genus, from which it lends its name. It also displays antifungal properties. A plant containing this terpene has been used in some traditional ayahuasca rituals and is also an important honey plant. Found in basil, tuls, mint, oregano, parsley, some orchids, mangoes, tarragon...etc.

| COMPOUND                  | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g)      | RESULT (%)     |
|---------------------------|----------------|--------------------------------|--------------------|----------------|
| trans- $\beta$ -Farnesene | 0.008 / 0.028  | $\pm 0.0051$                   | 0.090              | 0.0090         |
| Fenchol                   | 0.009 / 0.029  | $\pm 0.0015$                   | 0.041              | 0.0041         |
| $\alpha$ -Pinene          | 0.005 / 0.015  | $\pm 0.0014$                   | 0.038              | 0.0038         |
| Eucalyptol                | 0.005 / 0.018  | $\pm 0.0010$                   | 0.026              | 0.0026         |
| Borneol                   | 0.004 / 0.014  | $\pm 0.0011$                   | 0.024              | 0.0024         |
| Camphene                  | 0.004 / 0.014  | N/A                            | ND                 | ND             |
| Sabinene                  | 0.004 / 0.014  | N/A                            | ND                 | ND             |
| $\alpha$ -Phellandrene    | 0.006 / 0.019  | N/A                            | ND                 | ND             |
| $\Delta^3$ -Carene        | 0.005 / 0.018  | N/A                            | ND                 | ND             |
| $\alpha$ -Terpinene       | 0.006 / 0.019  | N/A                            | ND                 | ND             |
| p-Cymene                  | 0.005 / 0.015  | N/A                            | ND                 | ND             |
| $\gamma$ -Terpinene       | 0.005 / 0.018  | N/A                            | ND                 | ND             |
| Sabinene Hydrate          | 0.007 / 0.022  | N/A                            | ND                 | ND             |
| Fenchone                  | 0.008 / 0.026  | N/A                            | ND                 | ND             |
| Terpinolene               | 0.008 / 0.027  | N/A                            | ND                 | ND             |
| Isopulegol                | 0.004 / 0.013  | N/A                            | ND                 | ND             |
| Camphor                   | 0.005 / 0.015  | N/A                            | ND                 | ND             |
| Isoborneol                | 0.003 / 0.011  | N/A                            | ND                 | ND             |
| Menthol                   | 0.008 / 0.025  | N/A                            | ND                 | ND             |
| Nerol                     | 0.003 / 0.011  | N/A                            | ND                 | ND             |
| Citronellol               | 0.003 / 0.010  | N/A                            | ND                 | ND             |
| Pulegone                  | 0.003 / 0.010  | N/A                            | ND                 | ND             |
| Geraniol                  | 0.002 / 0.007  | N/A                            | ND                 | ND             |
| Geranyl Acetate           | 0.004 / 0.012  | N/A                            | ND                 | ND             |
| $\alpha$ -Cedrene         | 0.005 / 0.017  | N/A                            | ND                 | ND             |
| Cedrol                    | 0.009 / 0.032  | N/A                            | ND                 | ND             |
| <b>TOTAL TERPENOIDS</b>   |                |                                | <b>14.108 mg/g</b> | <b>1.4108%</b> |