



261 Mountain View Dr
 Colchester, VT 05446
 License #: TLAB0030
 802-767-7256
 info@onwardanalytics.biz

Certificate of Analysis

Client Name: Grateful Grow
License Number: CLTV0370

Sample ID: VT16809
Sample Name: Blue Zushi
Sample Lot: 1
Sample Matrix: Flower
Date Received: 12/17/2024
Date Reported: 12/26/2024
Date Tested: 12/19/2024



| Total Cannabinoids | | |
|----------------------------|---------------|----------------|
| | % | mg/g |
| Total THC: | 23.861 | 238.610 |
| Total CBD: | -- | -- |
| Total Cannabinoids: | 27.161 | 271.614 |

Total theoretical CBD % = (CBD%) + (CBDA% * 0.877)
Total theoretical THC % = (delta-9-THC%) + (THCA% * 0.877)

Potency

Standard potency analysis utilizing High Performance Liquid Chromatography (HPLC; SOP-024-OA) | Test ID: #54511

| Analyte | % (Dry) | mg/g (Dry) | % | mg/g | LOD (mg/g) | LOQ (mg/g) |
|---------|---------|------------|---------|---------|------------|------------|
| CBC | ND | ND | ND | ND | 0.0003 | 0.0040 |
| CBCA | < LOQ | < LOQ | < LOQ | < LOQ | 0.0002 | 0.0040 |
| CBD | < LOQ | < LOQ | < LOQ | < LOQ | 0.0008 | 0.0040 |
| CBDA | ND | ND | ND | ND | 0.0002 | 0.0040 |
| CBDV | ND | ND | ND | ND | 0.0008 | 0.0040 |
| CBDVA | ND | ND | ND | ND | 0.0001 | 0.0040 |
| CBG | ND | ND | ND | ND | 0.0009 | 0.0040 |
| CBGA | < LOQ | < LOQ | < LOQ | < LOQ | 0.0001 | 0.0040 |
| CBN | ND | ND | ND | ND | 0.0004 | 0.0040 |
| CBNA | ND | ND | ND | ND | 0.0002 | 0.0040 |
| D8 THC | ND | ND | ND | ND | 0.0012 | 0.0040 |
| D9 THC | 0.3291 | 3.291 | 0.2934 | 2.934 | 0.0016 | 0.0049 |
| D10 THC | ND | ND | ND | ND | 0.0004 | 0.0040 |
| THCA | 26.8323 | 268.323 | 23.9263 | 239.263 | 0.0002 | 0.0040 |
| THCV | ND | ND | ND | ND | 0.0016 | 0.0049 |
| THCVA | ND | ND | ND | ND | 0.0002 | 0.0040 |

Moisture & Water Activity PASS

Water Activity and Moisture Content Analysis (SOP-202-OA) | Test ID: #54512

| Analyte | Result (%) | Limit | Pass/Fail |
|----------------|------------|-------|-----------|
| Moisture | 10.83 | 13.00 | |
| Water Activity | 0.47 | 0.65 | PASS |

Callie Chapman

Callie Chapman
 Lab Director
 12/26/2024

Rev. 1 Initial Release

In performing the services, Onward Analytics, ("OA") shall exercise a degree of skill and care ordinarily exercised by a reasonably prudent laboratory professional under similar circumstances. Except as set forth in the preceding sentence, client acknowledges and agrees that: (a) the services may require OA to make judgements based upon limited data rather than upon scientific certainties; (b) OA's approach, recommendations, and associated cost estimates, if any, are based on industry practices and averages; (c) OA renders its opinions with respect to observations made and data available at the time of testing; (d) ultimate outcomes could be inconsistent with OA's conclusions, results and projections; and (e) there may be additional reports relating to the site (whether prepared by OA or other parties), and reliance upon any OA report without reference to any such other reports is done at client's sole risk.





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Total Terpenes (%) : 2.1727

| Dominant Terpenes (%) | |
|-----------------------|--------|
| Limonene | 0.7789 |
| Linalool | 0.4279 |
| Myrcene | 0.3582 |
| beta-caryophyllene | 0.2319 |
| beta-Pinene | 0.1108 |

Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #54513

| Analyte | Result (%) | Result (mg/g) | LOD (mg/g) | LOQ (mg/g) |
|-----------------------|---------------|---------------|------------|------------|
| 3-Carene | ND | ND | 0.000002 | 0.001 |
| alpha-Bisabolol | < LOQ | < LOQ | 0.000003 | 0.001 |
| alpha-Humulene | 0.0623 | 0.623 | 0.000002 | 0.001 |
| alpha-Pinene | 0.0588 | 0.588 | 0.000001 | 0.001 |
| alpha-Terpinene | ND | ND | 0.000001 | 0.001 |
| alpha-Terpinolene | 0.0101 | 0.101 | 0.000004 | 0.001 |
| beta-caryophyllene | 0.2319 | 2.319 | 0.000004 | 0.001 |
| beta-Pinene | 0.1108 | 1.108 | 0.000002 | 0.001 |
| Camphene | 0.0162 | 0.162 | 0.000001 | 0.001 |
| Caryophyllene Oxide | 0.0099 | 0.099 | 0.000011 | 0.001 |
| Eucalyptol | ND | ND | 0.000002 | 0.001 |
| gamma-Terpinene | ND | ND | 0.000002 | 0.001 |
| Geraniol | 0.0183 | 0.183 | 0.000008 | 0.003 |
| Guaiol | ND | ND | 0.000007 | 0.001 |
| Isopulegol | ND | ND | 0.000005 | 0.001 |
| Isopropyl Toluene | ND | ND | 0.000003 | 0.001 |
| Limonene | 0.7789 | 7.789 | 0.000002 | 0.001 |
| Linalool | 0.4279 | 4.279 | 0.000003 | 0.001 |
| Nerolidol | 0.0894 | 0.894 | 0.000007 | 0.001 |
| Myrcene | 0.3582 | 3.582 | 0.000003 | 0.001 |
| Ocimene | ND | ND | 0.000002 | 0.001 |
| Total Terpenes | 2.1727 | 21.727 | | |

Callie Chapman
 Lab Director
 12/26/2024

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Pathogens PASS

Microbiological screening utilizing qPCR (SOP-204-OA) | Test ID: #54514

| Analyte | Result | Pass/Fail |
|--------------|---------------|-----------|
| A. Fumigatus | None Detected | PASS |
| A. Niger | None Detected | PASS |
| A. Flavus | None Detected | PASS |
| A. Terreus | None Detected | PASS |
| STEC | None Detected | PASS |
| Salmonella | None Detected | PASS |



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