

## VC251-GZ

 Sample ID: BIA250526S0001  
 Strain: GAZZURPLE

 Matrix: Concentrates & Extracts  
 Type: Formulated Vape Oil  
 Sample Size: 1 units  
 Lot#:

 Produced:  
 Collected:  
 Received: 05/27/2025  
 Completed: 06/03/2025  
 Batch#:

 Client  
**Blue Sage**  
 Lic. # rtlr0032  
 POB 401  
 Richmond, VT 05477


### Summary

|              |             |          |
|--------------|-------------|----------|
| Test         | Date Tested | Result   |
| Sample       |             | Complete |
| Cannabinoids | 06/02/2025  | Complete |

### Cannabinoids

Completed

| 86.72%<br>Total THC |        |         |         |       |              | 0.21%<br>Total CBD |        |              |               |             |              | 88.72%<br>Total Cannabinoids |     |         |         |       |              |
|---------------------|--------|---------|---------|-------|--------------|--------------------|--------|--------------|---------------|-------------|--------------|------------------------------|-----|---------|---------|-------|--------------|
| Analyte             | LOQ    | Results | Results | Mass  | Mass         | Analyte            | LOQ    | Results      | Results       | Mass        | Mass         | Analyte                      | LOQ | Results | Results | Mass  | Mass         |
|                     | %      | %       | mg/g    | mg/mL | mg/container |                    | %      | %            | mg/g          | mg/mL       | mg/container |                              | %   | %       | mg/g    | mg/mL | mg/container |
| CBDVa               | 0.0001 | <LOQ    | <LOQ    |       |              | CBCVa              | 0.0000 | <LOQ         | <LOQ          |             |              |                              |     |         |         |       |              |
| CBDV                | 0.0001 | <LOQ    | <LOQ    |       |              | CBNa               | 0.0000 | <LOQ         | <LOQ          |             |              |                              |     |         |         |       |              |
| CBDa                | 0.0001 | <LOQ    | <LOQ    |       |              | Δ9-THC             | 0.0002 | 86.72        | 867.2         |             |              |                              |     |         |         |       |              |
| CBGa                | 0.0001 | <LOQ    | <LOQ    |       |              | Δ8-THC             | 0.0002 | <LOQ         | <LOQ          |             |              |                              |     |         |         |       |              |
| CBG                 | 0.0002 | 0.21    | 2.1     |       |              | Δ10-THC*           | 0.0000 | <LOQ         | <LOQ          |             |              |                              |     |         |         |       |              |
| CBD                 | 0.0002 | 0.21    | 2.1     |       |              | CBL                | 0.0001 | 0.15         | 1.5           |             |              |                              |     |         |         |       |              |
| THCV                | 0.0002 | 0.56    | 5.6     |       |              | CBC                | 0.0002 | 0.28         | 2.8           |             |              |                              |     |         |         |       |              |
| CBLV                | 0.0000 | <LOQ    | <LOQ    |       |              | THCa               | 0.0003 | <LOQ         | <LOQ          |             |              |                              |     |         |         |       |              |
| CBCV                | 0.0000 | <LOQ    | <LOQ    |       |              | CBCa               | 0.0001 | <LOQ         | <LOQ          |             |              |                              |     |         |         |       |              |
| THCVa               | 0.0000 | <LOQ    | <LOQ    |       |              | CBLa               | 0.0001 | <LOQ         | <LOQ          |             |              |                              |     |         |         |       |              |
| CBN                 | 0.0001 | 0.59    | 5.9     |       |              | <b>Total THC</b>   |        | <b>86.72</b> | <b>867.22</b> |             |              |                              |     |         |         |       |              |
|                     |        |         |         |       |              | <b>Total CBD</b>   |        | <b>0.21</b>  | <b>2.06</b>   |             |              |                              |     |         |         |       |              |
|                     |        |         |         |       |              | <b>Total</b>       |        | <b>88.72</b> | <b>887.19</b> | <b>0.00</b> | <b>0.00</b>  |                              |     |         |         |       |              |

Analyst: 056

Cannabinoids Methodology: High Performance Liquid Chromatography (HPLC) using PerkinElmer FLEXAR™ with Photo Diode Array Detector (PDA)

Total CBD and total THC are calculated values, to account for assumed decarboxylation from the acid form (THCA or CBDA) to the neutral form, causing weight loss of the acid group. These values are calculated as follows:

$$\text{Total THC} = (\text{THCA} \times 0.877) + \Delta 9\text{-THC}$$

$$\text{Total CBD} = (\text{CBDA} \times 0.877) + \text{CBD Reagent}$$

Blanks: &lt; LOQs for all analytes

LOQ = The lowest quantity that this method can reliably detect. Any cannabinoid that was not detected is assumed to be less than the stated LOQ (&lt;LOQ).

All results reflect dry weight of material, based on % moisture of the sample.

Measurement of Uncertainty (MU): the parameter, associated with the result of a measurement, that characterizes the dispersion of the values that could reasonably be attributed to the particular quantity subject to measurement. Δ9-THC MU = ±0.005% Total THC MU = ±0.007%

All other cannabinoid MU values are available upon request.

All moisture and water activity analysis is determined by dewpoint measurement using an AQUALAB water activity meter.

\*The result is the sum of delta-10 isomers.




 Luke Emerson-Mason  
 Laboratory Director  
 06/03/2025

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 (866) 506-5866  
[www.confidentlims.com](http://www.confidentlims.com)


Sample ID: BIA250501S0020  
 Strain: ML-MANU0094-VT25006

 Matrix: Concentrates & Extracts  
 Type: Distillate  
 Sample Size: 1 units  
 Lot#:

 Produced:  
 Collected:  
 Received: 05/09/2025  
 Completed: 05/16/2025  
 Batch#:

 Client  
**Dirigo Cannabis VT**  
 Lic. # Manu0094  
 217 Quarry Rd.  
 Middlebury, VT 05753

## Pesticides

Completed

| Category 1 Pesticides | LOD     | LOQ    | Results |
|-----------------------|---------|--------|---------|
|                       | PPM     | PPM    | PPM     |
| Chlorpyrifos          | 0.0003  | 0.0010 | ND      |
| Imazalil              | 0.0003  | 0.0010 | ND      |
| Category 2 Pesticides | LOD     | LOQ    | Results |
|                       | PPM     | PPM    | PPM     |
| Abamectin             | 0.0003  | 0.0010 | ND      |
| Acephate              | 0.001   | 0.0050 | ND      |
| Acequinocyl           | 0.0003  | 0.0010 | ND      |
| Azoxystrobin          | 0.00005 | 0.0010 | ND      |
| Bifenazate            | 0.0001  | 0.0010 | ND      |
| Bifenthrin            | 0.0001  | 0.0010 | ND      |
| Carbaryl              | 0.0001  | 0.0010 | ND      |
| Cypermethrin          | 0.001   | 0.0050 | ND      |
| Etoxazole             | 0.0001  | 0.0010 | ND      |
| Imidacloprid          | 0.00005 | 0.0010 | ND      |
| Myclobutanil          | 0.0001  | 0.0010 | ND      |
| Pyrethrins            | 0.001   | 0.0050 | ND      |
| Spinosyn A            | 0.0001  | 0.0010 | ND      |
| Spinosyn D            | 0.0003  | 0.0010 | ND      |

Analyst: 056

Pesticides Methodology: Liquid Chromatography with Tandem Mass Spectrometry using PerkinElme QSight® LX50 UHPLC and QSight 220 Mass Spectrometer

LOQ = The lowest quantity this method can reliably quantify. Any pesticides or mycotoxins that were not quantifiable are less than the stated LOQ (&lt;LOQ).

ppm = parts per million

All moisture and water activity analysis is determined by dewpoint measurement using an AQUALAB water activity meter.

ND = Not Detected (&lt;LOD)




 Luke Emerson-Mason  
 Laboratory Director  
 05/16/2025

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Middlebury, VT 05753

## Heavy Metals

Completed

| Analyte      | LOQ    | Results       |
|--------------|--------|---------------|
|              | µg/g   | µg/g          |
| Chromium     | 0.0005 | NT            |
| Nickel       | 0.0005 | NT            |
| Copper       | 0.0005 | NT            |
| Zinc         | 0.0005 | NT            |
| Arsenic      | 0.0005 | 0.0036        |
| Cadmium      | 0.0005 | <LOQ          |
| Mercury      | 0.0001 | <LOQ          |
| Lead         | 0.0005 | 0.0047        |
| <b>Total</b> |        | <b>0.0083</b> |

Analyst: 052

Heavy Metal Methodology: ICP-MS using PerkinElmer NexION® 2000 ICP Mass Spectrometer

Reagent Blanks: < LOQs for all analytes

ppm = parts per million

LOQ = The lowest quantity that this method can reliably detect. Any heavy metal that was not detected is assumed to be less than the stated LOQ (<LOQ).

All results reflect dry weight of material, based on % moisture of the sample.

All moisture and water activity analysis is determined by dewpoint measurement using an AQUALAB water activity meter.



Luke Emerson-Mason  
Laboratory Director  
05/16/2025

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Sample Size: 1 units  
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**Dirigo Cannabis VT**  
Lic. # Manu0094  
217 Quarry Rd.  
Middlebury, VT 05753

## Residual Solvents

Completed

| Analyte           | LOQ    | Results  |
|-------------------|--------|----------|
|                   | µg/g   | µg/g     |
| Acetone           | 50.00  | <LOQ     |
| Acetonitrile      | 50.00  | <LOQ     |
| Benzene           | 0.50   | <LOQ     |
| n-Butane          | 50.00  | <LOQ     |
| Chloroform        | 5.00   | <LOQ     |
| Ethanol           | 500.00 | <LOQ     |
| Ethyl-Acetate     | 500.00 | <LOQ     |
| Ethyl-Ether       | 500.00 | <LOQ     |
| Heptane           | 500.00 | <LOQ     |
| n-Hexane          | 5.00   | <LOQ     |
| Isopropanol       | 50.00  | <LOQ     |
| Methanol          | 50.00  | <LOQ     |
| Dichloromethane   | 50.00  | <LOQ     |
| n-Pentane         | 500.00 | <LOQ     |
| Propane           | 500.00 | <LOQ     |
| Toluene           | 50.00  | <LOQ     |
| Trichloroethylene | 500.00 | <LOQ     |
| Xylenes           | 50.00  | <LOQ     |
| <b>Total</b>      |        | <b>0</b> |

Analyst: 045

Residual Solvent Methodology: Headspace Sampler, Gas Chromatography-Mass Spectrometry (GC-MS), using Perkin Elmer Clarus® SQ8 GC MS

LOQ = The lowest quantity that this method can reliably detect. Any residual solvent that was not detected is assumed to be less than the stated LOQ (<LOQ).

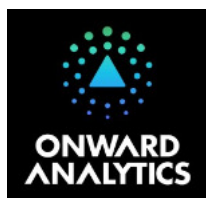
Reagent Blanks: < LOQs for all analytes



Luke Emerson-Mason  
Laboratory Director  
05/16/2025

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

## Certificate of Analysis

**Client Name:** Blue Sage  
**License Number:** RTL0032

**Sample ID:** VT22204  
**Sample Name:** Gazzurple  
**Sample Lot:** HL125  
**Sample Matrix:** Solvent Extraction Concentrates  
**Date Received:** 7/7/2025  
**Date Reported:** 7/14/2025  
**Date Tested:** 7/11/2025



**Total Terpenes (%) : 3.7061**

### Dominant Terpenes (%)

|                     |        |
|---------------------|--------|
| beta-caryophyllene  | 1.8502 |
| alpha-Humulene      | 0.6688 |
| Limonene            | 0.2579 |
| alpha-Bisabolol     | 0.2112 |
| Caryophyllene Oxide | 0.1482 |

## Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #72573

| Analyte               | Result (%)    | Result (mg/g) | LOD (mg/g) | LOQ (mg/g) |
|-----------------------|---------------|---------------|------------|------------|
| 3-Carene              | < LOQ         | < LOQ         | 0.000002   | 0.001      |
| alpha-Bisabolol       | 0.2112        | 2.112         | 0.000003   | 0.001      |
| alpha-Humulene        | 0.6688        | 6.688         | 0.000002   | 0.001      |
| alpha-Pinene          | 0.0528        | 0.528         | 0.000001   | 0.001      |
| alpha-Terpinene       | ND            | ND            | 0.000001   | 0.001      |
| alpha-Terpinolene     | 0.1005        | 1.005         | 0.000004   | 0.001      |
| beta-caryophyllene    | 1.8502        | 18.502        | 0.000004   | 0.001      |
| beta-Pinene           | 0.074         | 0.74          | 0.000002   | 0.001      |
| Camphene              | 0.0099        | 0.099         | 0.000001   | 0.001      |
| Caryophyllene Oxide   | 0.1482        | 1.482         | 0.000011   | 0.001      |
| Eucalyptol            | < LOQ         | < LOQ         | 0.000002   | 0.001      |
| gamma-Terpinene       | ND            | ND            | 0.000002   | 0.001      |
| Geraniol              | ND            | ND            | 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              | 0.2579        | 2.579         | 0.000002   | 0.001      |
| Linalool              | 0.1277        | 1.277         | 0.000003   | 0.001      |
| Nerolidol             | 0.0629        | 0.629         | 0.000007   | 0.001      |
| Myrcene               | 0.1227        | 1.227         | 0.000003   | 0.001      |
| Ocimene               | 0.0193        | 0.193         | 0.000002   | 0.001      |
| <b>Total Terpenes</b> | <b>3.7061</b> | <b>37.061</b> |            |            |

*Callie Chapman*

Callie Chapman  
Lab Director  
7/14/2025

Rev. 1 Initial Release

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