



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

# Certificate of Analysis



**Client Name:** Gaston Weed Company

**License Number:** MANU0044



**Sample ID:** VT18156

**Sample Name:** Sour Apple

**Sample Lot:** MANU0044-147-SA

**Sample Matrix:** Solvent Extraction Concentrates

**Date Received:** 2/4/2025

**Date Reported:** 2/11/2025

**Date Tested:** 2/6/2025



## Total Cannabinoids

|                            | %             | mg/g           |
|----------------------------|---------------|----------------|
| <b>Total THC:</b>          | <b>68.721</b> | <b>687.214</b> |
| <b>Total CBD:</b>          | <b>--</b>     | <b>--</b>      |
| <b>Total Cannabinoids:</b> | <b>72.604</b> | <b>726.039</b> |

**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: #58987

| Analyte | %       | mg/g    | LOD (mg/g) | LOQ (mg/g) |
|---------|---------|---------|------------|------------|
| CBC     | < LOQ   | < LOQ   | 0.0003     | 0.0040     |
| CBCA    | < LOQ   | < LOQ   | 0.0002     | 0.0040     |
| CBD     | < LOQ   | < LOQ   | 0.0008     | 0.0040     |
| CBDA    | ND      | ND      | 0.0002     | 0.0040     |
| CBDV    | ND      | ND      | 0.0008     | 0.0040     |
| CBDVA   | ND      | ND      | 0.0001     | 0.0040     |
| CBG     | 0.8518  | 8.518   | 0.0009     | 0.0040     |
| CBGA    | 0.731   | 7.31    | 0.0001     | 0.0040     |
| CBN     | ND      | ND      | 0.0004     | 0.0040     |
| CBNA    | ND      | ND      | 0.0002     | 0.0040     |
| D8 THC  | ND      | ND      | 0.0012     | 0.0040     |
| D9 THC  | 52.3241 | 523.241 | 0.0016     | 0.0049     |
| D10 THC | ND      | ND      | 0.0004     | 0.0040     |
| THCA    | 18.697  | 186.97  | 0.0002     | 0.0040     |
| THCV    | < LOQ   | < LOQ   | 0.0016     | 0.0049     |
| THCVA   | ND      | ND      | 0.0002     | 0.0040     |

*Callie Chapman*

Callie Chapman  
Lab Director  
2/11/2025

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**Total Terpenes (%) : 5.6146**

## Dominant Terpenes (%)

|                    |        |
|--------------------|--------|
| beta-caryophyllene | 1.811  |
| Myrcene            | 1.6164 |
| alpha-Humulene     | 0.565  |
| Limonene           | 0.514  |
| alpha-Pinene       | 0.4009 |

## Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #58991

| Analyte               | Result (%)    | Result (mg/g) | LOD (mg/g) | LOQ (mg/g) |
|-----------------------|---------------|---------------|------------|------------|
| 3-Carene              | ND            | ND            | 0.000002   | 0.001      |
| alpha-Bisabolol       | 0.1016        | 1.016         | 0.000003   | 0.001      |
| alpha-Humulene        | 0.565         | 5.65          | 0.000002   | 0.001      |
| alpha-Pinene          | 0.4009        | 4.009         | 0.000001   | 0.001      |
| alpha-Terpinene       | ND            | ND            | 0.000001   | 0.001      |
| alpha-Terpinolene     | 0.0227        | 0.227         | 0.000004   | 0.001      |
| beta-caryophyllene    | 1.811         | 18.11         | 0.000004   | 0.001      |
| beta-Pinene           | 0.0269        | 0.269         | 0.000002   | 0.001      |
| Camphene              | 0.0136        | 0.136         | 0.000001   | 0.001      |
| Caryophyllene Oxide   | 0.0383        | 0.383         | 0.000011   | 0.001      |
| Eucalyptol            | ND            | ND            | 0.000002   | 0.001      |
| gamma-Terpinene       | ND            | ND            | 0.000002   | 0.001      |
| Geraniol              | ND            | ND            | 0.000008   | 0.003      |
| Guaiol                | 0.1499        | 1.499         | 0.000007   | 0.001      |
| Isopulegol            | ND            | ND            | 0.000005   | 0.001      |
| Isopropyl Toluene     | ND            | ND            | 0.000003   | 0.001      |
| Limonene              | 0.514         | 5.14          | 0.000002   | 0.001      |
| Linalool              | 0.1752        | 1.752         | 0.000003   | 0.001      |
| Nerolidol             | 0.1616        | 1.616         | 0.000007   | 0.001      |
| Myrcene               | 1.6164        | 16.164        | 0.000003   | 0.001      |
| Ocimene               | 0.0175        | 0.175         | 0.000002   | 0.001      |
| <b>Total Terpenes</b> | <b>5.6146</b> | <b>56.146</b> |            |            |

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**Date Tested:** 2/10/2025



### Pesticides

Pass

Residual pesticide analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-070-OA) - Limit units: ppm | Test ID: #58989

| Analyte       | Pass/Fail | Result (ppm) | Limit   | LOD (ppm) | LOQ (ppm) |
|---------------|-----------|--------------|---------|-----------|-----------|
| Abamectin B1a | Pass      | ND           | 0.10000 | 0.00687   | 0.02081   |
| Abamectin B1b | Pass      | ND           | 0.10000 | 0.00133   | 0.00405   |
| Acephate      | Pass      | ND           | 0.10000 | 0.02214   | 0.06710   |
| Acequinocyl   | Pass      | ND           | 0.10000 | 0.02276   | 0.06897   |
| Azoxystrobin  | Pass      | ND           | 0.10000 | 0.01262   | 0.03825   |
| Bifenazate    | Pass      | ND           | 0.10000 | 0.01232   | 0.03734   |
| Bifenthrin    | Pass      | ND           | 3.00000 | 0.04612   | 0.13976   |
| Carbaryl      | Pass      | ND           | 0.50000 | 0.01039   | 0.03149   |
| Chlorpyrifos  | Pass      | ND           | 0.04000 | 0.00702   | 0.02128   |
| Cypermethrin  | Pass      | ND           | 1.00000 | 0.02839   | 0.08604   |
| Etoazole      | Pass      | ND           | 0.10000 | 0.00915   | 0.02772   |
| Imazalil      | Pass      | ND           | 0.04000 | 0.00664   | 0.02012   |
| Imidacloprid  | Pass      | ND           | 5.00000 | 0.02001   | 0.06063   |
| Myclobutanil  | Pass      | ND           | 0.10000 | 0.01691   | 0.05123   |
| Spinosyn A    | Pass      | ND           | 0.10000 | 0.00632   | 0.01916   |
| Spinosyn D    | Pass      | ND           | 0.10000 | 0.00256   | 0.00775   |
| Pyrethrins    | Pass      | ND           | 0.50000 | 0.00022   | 0.00072   |
|               |           |              |         | 0.00498 * | 0.00015 * |

\* Pyrethrins action limit represents sum of isomers I & II

*Callie Chapman*

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Lab Director  
2/11/2025

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**Date Tested:** 2/5/2025



### Heavy Metals

**PASS**

Heavy metals analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS; SOP-072-OA) - **Limit units: ppm** | Test ID: #58990

| Analyte | Pass/Fail | Result (ppm) | Limit (ppm) | LOD (ppm) | LOQ (ppm) |
|---------|-----------|--------------|-------------|-----------|-----------|
| Arsenic | PASS      | < LOQ        | 1.500       | 0.0000260 | 0.00050   |
| Cadmium | PASS      | < LOQ        | 0.500       | 0.0000004 | 0.00050   |
| Lead    | PASS      | < LOQ        | 1.000       | 0.0000190 | 0.00050   |
| Mercury | PASS      | < LOQ        | 1.500       | 0.0000039 | 0.00050   |

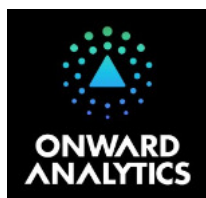
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## Residual Solvents

Pass

Residual solvents and processing chemicals analysis utilizing Headspace Gas Chromatography – Mass Spectrometry (HS-GC-MS; SOP-010-OA) - **Limit units: µg/g** | Test ID: #58988

| Analyte            | Pass/Fail | Result (ppm) | Limit    | LOD (ppm)          | LOQ (ppm)          |
|--------------------|-----------|--------------|----------|--------------------|--------------------|
| Acetone            | Pass      | < LOQ        | 5000.000 | 4.730              | 14.200             |
| Acetonitrile       | Pass      | < LOQ        | 410.000  | 0.480              | 1.450              |
| Benzene            | Pass      | < LOQ        | 2.000    | 0.020              | 0.060              |
| Chloroform         | Pass      | < LOQ        | 60.000   | 0.070              | 0.210              |
| Ethanol            | Pass      | < LOQ        | 5000.000 | 6.010              | 18.040             |
| Heptanes (total)   | Pass      | < LOQ        | 5000.000 | 5.950              | 17.840             |
| Hexanes (total)    | Pass      | < LOQ        | 0        | 0.350              | 1.040              |
| Isopropyl Alcohol  | Pass      | < LOQ        | 5000.000 | 5.910              | 17.730             |
| Methanol           | Pass      | < LOQ        | 3000.000 | 3.540              | 10.610             |
| Methylene Chloride | Pass      | < LOQ        | 600.000  | 6.400              | 19.190             |
| Toluene            | Pass      | < LOQ        | 890.000  | 1.050              | 3.160              |
| Xylenes (total)    | Pass      | < LOQ        | 2170.000 | 19.426<br>14.858 * | 58.868<br>45.024 * |

| Additional Solvent Analytes |      |       |          |        |        |
|-----------------------------|------|-------|----------|--------|--------|
| Propane                     | Pass | < LOQ | 5000.000 | 5.420  | 16.260 |
| 2-Methylpropane             | Pass | < LOQ | 5000.000 | 5.420  | 16.270 |
| 2,2-Dimethylbutane          | Pass | < LOQ | 5000.000 | 0.340  | 1.020  |
| 2,3-Dimethylbutane          | Pass | < LOQ | 5000.000 | 0.340  | 1.030  |
| n-Butane                    | Pass | < LOQ | 0        | 5.390  | 16.160 |
| 2-Methylpentane             | Pass | < LOQ | 5000.000 | 0.340  | 1.030  |
| 3-Methylpentane             | Pass | < LOQ | 5000.000 | 0.680  | 2.050  |
| Isopentane                  | Pass | < LOQ | 5000.000 | 5.890  | 17.670 |
| n-Pentane                   | Pass | < LOQ | 5000.000 | 5.900  | 17.700 |
| Neopentane                  | Pass | < LOQ | 5000.000 | 11.870 | 35.620 |

\* Xylenes action limit represents sum of m,p-Xylene and o-Xylene

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