



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

# Certificate of Analysis



**Client Name:** Full Circle Farm  
**License Number:** CLVT0250



**Sample ID:** VT14659

**Sample Name:** Aristotle Sours

**Sample Lot:** CLTV0250-3-1AS24

**Sample Matrix:** Flower

**Date Received:** 10/29/2024

**Date Reported:** 11/6/2024

**Date Tested:** 10/30/2024



## Total Cannabinoids

|                            | %             | mg/g           |
|----------------------------|---------------|----------------|
| <b>Total THC:</b>          | <b>21.011</b> | <b>210.110</b> |
| <b>Total CBD:</b>          | <b>--</b>     | <b>--</b>      |
| <b>Total Cannabinoids:</b> | <b>24.704</b> | <b>247.043</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: #46019

| Analyte | % (Dry) | mg/g (Dry) | %       | mg/g    | LOD (mg/g) | LOQ (mg/g) |
|---------|---------|------------|---------|---------|------------|------------|
| CBC     | ND      | ND         | ND      | ND      | 0.0003     | 0.0040     |
| CBCA    | 0.476   | 4.76       | 0.4142  | 4.142   | 0.0002     | 0.0040     |
| CBD     | ND      | ND         | ND      | ND      | 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     | < LOQ   | < LOQ      | < LOQ   | < LOQ   | 0.0009     | 0.0040     |
| CBGA    | 0.3272  | 3.272      | 0.2848  | 2.848   | 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  | 0.4044  | 4.044      | 0.3519  | 3.519   | 0.0016     | 0.0049     |
| D10 THC | < LOQ   | < LOQ      | < LOQ   | < LOQ   | 0.0004     | 0.0040     |
| THCA    | 23.4967 | 234.967    | 20.4469 | 204.469 | 0.0002     | 0.0040     |
| THCV    | ND      | ND         | ND      | ND      | 0.0016     | 0.0049     |
| THCVA   | < LOQ   | < LOQ      | < LOQ   | < LOQ   | 0.0002     | 0.0040     |

## Moisture & Water Activity

**PASS**

Water Activity and Moisture Content Analysis (SOP-202-OA) | Test ID: #46066

| Analyte        | Result (%) | Limit | Pass/Fail |
|----------------|------------|-------|-----------|
| Moisture       | 12.98      | 13.00 | PASS      |
| Water Activity | 0.59       | 0.65  |           |

*Callie Chapman*

Callie Chapman  
Lab Director  
11/6/2024

Rev. 1 Initial Release

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**Sample Matrix:** Flower  
**Date Received:** 10/29/2024  
**Date Reported:** 11/6/2024  
**Date Tested:** 10/30/2024



**Total Terpenes (%) : 2.4298**

| Dominant Terpenes (%) |        |
|-----------------------|--------|
| Limonene              | 0.656  |
| beta-caryophyllene    | 0.5222 |
| Myrcene               | 0.3679 |
| alpha-Humulene        | 0.159  |
| alpha-Pinene          | 0.1387 |

## Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #46022

| Analyte             | Result (%) | Result (mg/g) | LOD (mg/g) | LOQ (mg/g) |
|---------------------|------------|---------------|------------|------------|
| 3-Carene            | ND         | ND            | 0.000002   | 0.001      |
| alpha-Bisabolol     | 0.1071     | 1.071         | 0.000003   | 0.001      |
| alpha-Humulene      | 0.159      | 1.59          | 0.000002   | 0.001      |
| alpha-Pinene        | 0.1387     | 1.387         | 0.000001   | 0.001      |
| alpha-Terpinene     | ND         | ND            | 0.000001   | 0.001      |
| alpha-Terpinolene   | 0.0097     | 0.097         | 0.000004   | 0.001      |
| beta-caryophyllene  | 0.5222     | 5.222         | 0.000004   | 0.001      |
| beta-Pinene         | 0.111      | 1.11          | 0.000002   | 0.001      |
| Camphene            | 0.0095     | 0.095         | 0.000001   | 0.001      |
| Caryophyllene Oxide | 0.0191     | 0.191         | 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              | 0.0986     | 0.986         | 0.000007   | 0.001      |
| Isopulegol          | ND         | ND            | 0.000005   | 0.001      |
| Isopropyl Toluene   | ND         | ND            | 0.000003   | 0.001      |
| Limonene            | 0.656      | 6.56          | 0.000002   | 0.001      |
| Linalool            | 0.115      | 1.15          | 0.000003   | 0.001      |
| Nerolidol           | 0.0598     | 0.598         | 0.000007   | 0.001      |
| Myrcene             | 0.3679     | 3.679         | 0.000003   | 0.001      |
| Ocimene             | 0.0562     | 0.562         | 0.000002   | 0.001      |
| Total Terpenes      | 2.4298     | 24.298        |            |            |

Callie Chapman  
Lab Director  
11/6/2024

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**Sample Name:** Aristotle Sours  
**Sample Lot:** CLTV0250-3-1AS24  
**Sample Matrix:** Flower  
**Date Received:** 10/29/2024  
**Date Reported:** 11/6/2024  
**Date Tested:** 10/29/2024



Pathogens PASS

Microbiological screening utilizing qPCR (SOP-204-OA) | Test ID: #46069

| 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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Lab Director  
11/6/2024

Rev. 1

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Certificate of Analysis

**Client Name:** Full Circle Farm  
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**Sample ID:** VT14664  
**Sample Name:** HL: AS, BP, T, FD, BEL  
**Sample Lot:** CLTV0250-3-1  
**Sample Matrix:** Flower  
**Date Received:** 10/29/2024  
**Date Reported:** 11/6/2024  
**Date Tested:** 11/4/2024



Pesticides Pass

Residual pesticide analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-070-OA) - Limit units: ppm | Test ID: #46141

| 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   |
| Etoxazole     | 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

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