



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

# Certificate of Analysis



**Client Name:** Rhize Cannabis Company

**License Number:** SCLT0295 MANU0065



**Sample ID:** VT23056

**Sample Name:** GMO Flower

**Sample Lot:** HL-20

**Sample Matrix:** Flower

**Date Received:** 8/1/2025

**Date Reported:** 8/5/2025

**Date Tested:** 8/4/2025



## Total Cannabinoids

|                            | %             | mg/g           |
|----------------------------|---------------|----------------|
| <b>Total THC:</b>          | <b>28.193</b> | <b>281.927</b> |
| <b>Total CBD:</b>          | <b>--</b>     | <b>--</b>      |
| <b>Total Cannabinoids:</b> | <b>34.193</b> | <b>341.933</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: #75535

| Analyte | % (Dry) | mg/g (Dry) | %       | mg/g    | LOD (mg/g) | LOQ (mg/g) |
|---------|---------|------------|---------|---------|------------|------------|
| CBC     | ND      | ND         | ND      | ND      | 0.0003     | 0.0040     |
| CBCA    | 0.3362  | 3.362      | 0.2965  | 2.965   | 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    | 1.7104  | 17.104     | 1.5084  | 15.084  | 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  | ND      | ND         | ND      | ND      | 0.0016     | 0.0049     |
| D10 THC | ND      | ND         | ND      | ND      | 0.0004     | 0.0040     |
| THCA    | 32.1467 | 321.467    | 28.3502 | 283.502 | 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: #75536

| Analyte        | Result (%) | Limit | Pass/Fail |
|----------------|------------|-------|-----------|
| Moisture       | 11.81      | 13.00 | PASS      |
| Water Activity | 0.52       | 0.65  |           |

*Callie Chapman*

Callie Chapman  
Lab Director  
8/5/2025

Rev. 1 Initial Release

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**Sample ID:** VT23025  
**Sample Name:** GMO Flower  
**Sample Lot:** HL-20  
**Sample Matrix:** Flower  
**Date Received:** 7/31/2025  
**Date Reported:** 8/6/2025  
**Date Tested:** 8/1/2025



**Total Terpenes (%) : 2.6259**

## Dominant Terpenes (%)

|                    |        |
|--------------------|--------|
| Myrcene            | 1.2114 |
| Limonene           | 0.4743 |
| beta-caryophyllene | 0.4074 |
| alpha-Humulene     | 0.1678 |
| alpha-Bisabolol    | 0.0945 |

## Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #75442

| Analyte               | Result (%)    | Result (mg/g) | LOD (mg/g) | LOQ (mg/g) |
|-----------------------|---------------|---------------|------------|------------|
| 3-Carene              | ND            | ND            | 0.000002   | 0.001      |
| alpha-Bisabolol       | 0.0945        | 0.945         | 0.000003   | 0.001      |
| alpha-Humulene        | 0.1678        | 1.678         | 0.000002   | 0.001      |
| alpha-Pinene          | 0.0475        | 0.475         | 0.000001   | 0.001      |
| alpha-Terpinene       | ND            | ND            | 0.000001   | 0.001      |
| alpha-Terpinolene     | 0.0156        | 0.156         | 0.000004   | 0.001      |
| beta-caryophyllene    | 0.4074        | 4.074         | 0.000004   | 0.001      |
| beta-Pinene           | 0.0825        | 0.825         | 0.000002   | 0.001      |
| Camphene              | 0.0134        | 0.134         | 0.000001   | 0.001      |
| Caryophyllene Oxide   | 0.0163        | 0.163         | 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                | ND            | ND            | 0.000007   | 0.001      |
| Isopulegol            | ND            | ND            | 0.000005   | 0.001      |
| Isopropyl Toluene     | ND            | ND            | 0.000003   | 0.001      |
| Limonene              | 0.4743        | 4.743         | 0.000002   | 0.001      |
| Linalool              | 0.0578        | 0.578         | 0.000003   | 0.001      |
| Nerolidol             | 0.0374        | 0.374         | 0.000007   | 0.001      |
| Myrcene               | 1.2114        | 12.114        | 0.000003   | 0.001      |
| Ocimene               | ND            | ND            | 0.000002   | 0.001      |
| <b>Total Terpenes</b> | <b>2.6259</b> | <b>26.259</b> |            |            |

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Lab Director  
8/6/2025

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**Date Tested:** 7/31/2025



Pathogens PASS

Microbiological screening utilizing qPCR (SOP-204-OA) | Test ID: #75443

| 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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## Certificate of Analysis



**Client Name:** Rhize Cannabis Company

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**Sample ID:** VT23026

**Sample Name:** Combined Pesticides; BM, HB, MS, GMO, MP

**Sample Lot:** HL-20

**Sample Matrix:** Flower

**Date Received:** 7/31/2025

**Date Reported:** 8/6/2025

**Date Tested:** 7/31/2025



### Pesticides

Pass

Residual pesticide analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-070-OA) - Limit units: ppm | Test ID: #75444

| 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

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