



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

Certificate of Analysis

Client Name: VT Green Castle Reserve
License Number: SCLT0023

Sample ID: VT5135
Sample Name: Grandpa's Stash Rosin
Sample Lot: MANU0031-71
Sample Matrix: Mechanical Extraction Concentrates
Date Received: 11/16/2023
Date Reported: 11/22/2023
Date Tested: 11/21/2023



| Total Cannabinoids | | |
|----------------------------|---------------|----------------|
| | % | mg/g |
| Total THC: | 61.257 | 612.575 |
| Total CBD: | -- | -- |
| Total Cannabinoids: | 74.099 | 740.989 |

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-024-0A) | Test ID: #14274

| Analyte | % | mg/g | LOD (mg/g) | LOQ (mg/g) |
|---------|---------|---------|------------|------------|
| CBC | ND | ND | 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 | 0.6712 | 6.712 | 0.0009 | 0.0040 |
| CBGA | 1.7041 | 17.041 | 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 | 1.8044 | 18.044 | 0.0016 | 0.0049 |
| D10 THC | ND | ND | 0.0004 | 0.0040 |
| THCA | 67.7914 | 677.914 | 0.0002 | 0.0040 |
| THCV | ND | ND | 0.0016 | 0.0049 |
| THCVA | 2.1278 | 21.278 | 0.0002 | 0.0040 |



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Pathogens PASS

Microbiological screening utilizing qPCR (SOP-204-OA) | Test ID: #14276

| 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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Total Terpenes (%) : 4.7115

| Dominant Terpenes (%) | |
|-----------------------|--------|
| beta-caryophyllene | 1.4966 |
| Myrcene | 1.0044 |
| Limonene | 0.4464 |
| alpha-Humulene | 0.4189 |
| Linalool | 0.4047 |

Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS, SOP-069-OA) | Test ID: #14275

| Analyte | Result (%) | Result (mg/g) | LOD (mg/g) | LOQ (mg/g) |
|-----------------------|---------------|---------------|------------|------------|
| 3-Carene | ND | ND | 0.000002 | 0.002 |
| alpha-Bisabolol | 0.1128 | 1.128 | 0.000003 | 0.002 |
| alpha-Humulene | 0.4189 | 4.189 | 0.000002 | 0.002 |
| alpha-Pinene | 0.0761 | 0.761 | 0.000001 | 0.002 |
| alpha-Terpinene | ND | ND | 0.000001 | 0.002 |
| alpha-Terpinolene | ND | ND | 0.000004 | 0.002 |
| beta-caryophyllene | 1.4966 | 14.966 | 0.000004 | 0.002 |
| beta-Pinene | 0.1723 | 1.723 | 0.000002 | 0.002 |
| Camphene | 0.0252 | 0.252 | 0.000001 | 0.002 |
| Caryophyllene Oxide | 0.0502 | 0.502 | 0.000011 | 0.002 |
| Cineole | ND | ND | 0.000002 | 0.002 |
| gamma-Terpinene | ND | ND | 0.000002 | 0.002 |
| Geraniol | ND | ND | 0.000008 | 0.002 |
| Guaiol | 0.3925 | 3.925 | 0.000007 | 0.002 |
| Isopulegol | ND | ND | 0.000005 | 0.002 |
| Isopropyl Toluene | ND | ND | 0.000003 | 0.002 |
| Limonene | 0.4464 | 4.464 | 0.000002 | 0.002 |
| Linalool | 0.4047 | 4.047 | 0.000003 | 0.002 |
| Nerolidol | 0.1114 | 1.114 | 0.000007 | 0.002 |
| Myrcene | 1.0044 | 10.044 | 0.000003 | 0.002 |
| Ocimene | ND | ND | 0.000002 | 0.002 |
| Total Terpenes | 4.7115 | 47.115 | | |