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License #: TLAB0030
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# Certificate of Analysis

**Client Name:** VT Green Castle Reserve
**License Number:** SCLT0023

**Sample ID:** VT23630
**Sample Name:** Detroit Muscle Infused Preroll
**Sample Lot:** MANU0026-23-12-230006
**Sample Matrix:** Infused Flower
**Date Received:** 8/25/2025
**Date Reported:** 8/29/2025
**Date Tested:** 8/25/2025

## Total Cannabinoids

| | % | mg/g |
|---|---|---|
| **Total THC:** | **37.142** | **371.423** |
| **Total CBD:** | **3.968** | **39.682** |
| **Total Cannabinoids:** | **51.300** | **512.997** |

**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: #77381

| Analyte | % (Dry) | mg/g (Dry) | % | mg/g | LOD (mg/g) | LOQ (mg/g) |
|---|---|---|---|---|---|---|
| CBC | < LOQ | < LOQ | < LOQ | < LOQ | 0.0003 | 0.0040 |
| CBCA | 0.9038 | 9.038 | 0.804 | 8.04 | 0.0002 | 0.0040 |
| CBD | 1.1119 | 11.119 | 0.9891 | 9.891 | 0.0008 | 0.0040 |
| CBDA | 3.2569 | 32.569 | 2.8974 | 28.974 | 0.0002 | 0.0040 |
| CBDV | ND | ND | ND | ND | 0.0008 | 0.0040 |
| CBDVA | < LOQ | < LOQ | < LOQ | < LOQ | 0.0001 | 0.0040 |
| CBG | 0.3811 | 3.811 | 0.339 | 3.39 | 0.0009 | 0.0040 |
| CBGA | 2.6492 | 26.492 | 2.3568 | 23.568 | 0.0001 | 0.0040 |
| CBN | ND | ND | ND | ND | 0.0004 | 0.0040 |
| CBNA | < LOQ | < LOQ | < LOQ | < LOQ | 0.0002 | 0.0040 |
| D8 THC | < LOQ | < LOQ | < LOQ | < LOQ | 0.0012 | 0.0040 |
| D9 THC | 7.7829 | 77.829 | 6.9237 | 69.237 | 0.0016 | 0.0049 |
| D10 THC | ND | ND | ND | ND | 0.0004 | 0.0040 |
| THCA | 33.4771 | 334.771 | 29.7812 | 297.812 | 0.0002 | 0.0040 |
| THCV | 0.7768 | 7.768 | 0.691 | 6.91 | 0.0016 | 0.0049 |
| THCVA | 0.96 | 9.6 | 0.854 | 8.54 | 0.0002 | 0.0040 |

## Moisture & Water Activity — PASS

Water Activity and Moisture Content Analysis (SOP-202-OA) | Test ID: #77382

| Analyte | Result (%) | Limit | Pass/Fail |
|---|---|---|---|
| Moisture | 11.04 | 13.00 | |
| Water Activity | 0.47 | 0.65 | PASS |

Callie Chapman
Lab Director
8/29/2025

| Rev. 1 | Initial Release |
|---|---|

In performing the services, Onward Analytics, ("OA") shall exercise a degree of skill and care ordinarily exercised by a reasonably prudent laboratory professional under similar circumstances. Except as set forth in the preceding sentence, client acknowledges and agrees that: (a) the services may require OA to make judgements based upon limited data rather than upon scientific certainties; (b) OA's approach, recommendations, and associated cost estimates, if any, are based on industry practices and averages; (c) OA renders its opinions with respect to observations made and data available at the time of testing; (d) ultimate outcomes could be inconsistent with OA's conclusions, results and projections; and (e) there may be additional reports relating to the site (whether prepared by OA or other parties), and reliance upon any OA report without reference to any such other reports is done at client's sole risk.