

Certificate ID: **60622 (Reissued)** Received: **8/2/19**
 Client Sample ID: **CAP_GLOW_330619_072619**
 Lot Number: **330619**
 Matrix: **Capsules/Tablets - Capsule**

Scan QR Code for authenticity



GenCanna

| | | |
|---|-----------------------------------|--------------------|
| Authorization: Jon Podgorni, Lab Manager | Signature: <i>Jon Podgorni</i> | Date: 8/21/2019 |
|---|-----------------------------------|--------------------|



The data contained within this report was collected in accordance with the requirements of ISO/IEC17025:2017. I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

CN: Cannabinoid Profile & Potency [WI-10-17 & WI-10-17-01] Analyst: *LG* Test Date: *8/6/2019*

The client sample was analyzed for plant-based cannabinoids by Liquid Chromatography (LC). The collected data was compared to data collected for certified reference standards at known concentrations.

60622-CN

| ID | Weight % | Concentration (mg/capsule) | | |
|---------|----------|----------------------------|----|-------------------------|
| D9-THC | 0.01 | 0.08 | | |
| THCV | ND | ND | | |
| CBD | 1.89 | 13.85 | | |
| CBDV | 0.00 | 0.03 | | |
| CBG | ND | ND | | |
| CBC | 0.01 | 0.04 | | |
| CBN | ND | ND | | |
| THCA | ND | ND | | |
| CBDA | ND | ND | | |
| CBGA | ND | ND | | |
| D8-THC | ND | ND | | |
| exo-THC | ND | ND | | |
| Total | 1.91 | 14.00 | 0% | Cannabinoids (wt%) 1.9% |
| Max THC | 0.01 | - | | |
| Max CBD | 1.89 | 13.85 | | |

Limit of Quantitation (LOQ) = 0.0054 wt%

Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation: Max THC = (0.877 x THCA) + THC. This calculation does not include other cannabinoid isomers (eg. D8-THC and exo-THC). ND = None detected above the limits of detection (LLD)

EA: Elemental Analysis [WI-10-13]

Analyst: JFD

Test Date: 8/7/2019

This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety. Reissued to show corrected USP limits for oral drug products.

60622-EA

| Symbol | Metal | Conc. ¹ | MDL | Limits ² | Status |
|--------|------------|--------------------|------------|---------------------|--------|
| Al | Aluminum | 102,359 ug/kg | 5 ug/kg | - | |
| As | Arsenic | 595 ug/kg | 4 ug/kg | 1500 ug/kg | PASS |
| Cd | Cadmium | 27 ug/kg | 1 ug/kg | 500 ug/kg | PASS |
| Ca | Calcium | 22,067 ug/kg | 500 ug/kg | - | |
| Cr | Chromium | 424 ug/kg | 5 ug/kg | 1100000 ug/kg | PASS |
| Co | Cobalt | 28 ug/kg | 10 ug/kg | 5000 ug/kg | PASS |
| Cu | Copper | 1,108 ug/kg | 500 ug/kg | 300000 ug/kg | PASS |
| Fe | Iron | 81,217 ug/kg | 5 ug/kg | - | |
| Pb | Lead | 83 ug/kg | 2 ug/kg | 500 ug/kg | PASS |
| Mg | Magnesium | 770,645 ug/kg | 500 ug/kg | - | |
| Mn | Manganese | 508 ug/kg | 500 ug/kg | - | |
| Hg | Mercury | 7 ug/kg | 2 ug/kg | 3000 ug/kg | PASS |
| Mo | Molybdenum | ND | 50 ug/kg | 300000 ug/kg | PASS |
| Ni | Nickel | 585 ug/kg | 50 ug/kg | 20000 ug/kg | PASS |
| P | Phosphorus | ND | 500 ug/kg | - | |
| K | Potassium | 10,380,799 ug/kg | 5 ug/kg | - | |
| Se | Selenium | 32,879 ug/kg | 10 ug/kg | - | |
| Ag | Silver | ND | 10 ug/kg | 15000 ug/kg | PASS |
| S | Sulfur | ND | 5 ug/kg | - | |
| Sn | Tin | ND | 5000 ug/kg | 600000 ug/kg | PASS |
| Zn | Zinc | 3,199,833 ug/kg | 5 ug/kg | - | |

1) ND = None detected to the Method Detection Limit (MDL)

2) USP recommended maximum daily limits for oral drug product.

MB1: Microbiological Contaminants [WI-10-09]

Analyst: MM

Test Date: 8/6/2019

This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

60622-MB1

| Symbol | Analysis | Results | Units | Limits* | Status |
|--------|---|---------|-------|---------------|--------|
| AC | Total Aerobic Bacterial Count | <100 | CFU/g | 100,000 CFU/g | PASS |
| CC | Total Coliform Bacterial Count | <100 | CFU/g | 1,000 CFU/g | PASS |
| EB | Total Bile Tolerant Gram Negative Count | <100 | CFU/g | 1,000 CFU/g | PASS |
| YM | Total Yeast & Mold | <100 | CFU/g | 10,000 CFU/g | PASS |

Note: All recorded Microbiological tests are within the established limits.

MB2: Pathogenic Bacterial Contaminants [WI-10-10]

Analyst: LabAdmin

Test Date: 8/7/2019

This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

60622-MB2

| Test ID | Analysis | Results | Units | Limits* | Status |
|------------|----------------|----------|-------|--------------|--------|
| 60622-ECPT | E. coli (O157) | Negative | NA | Non Detected | PASS |
| 60622-SPT | Salmonella | Negative | NA | Non Detected | PASS |

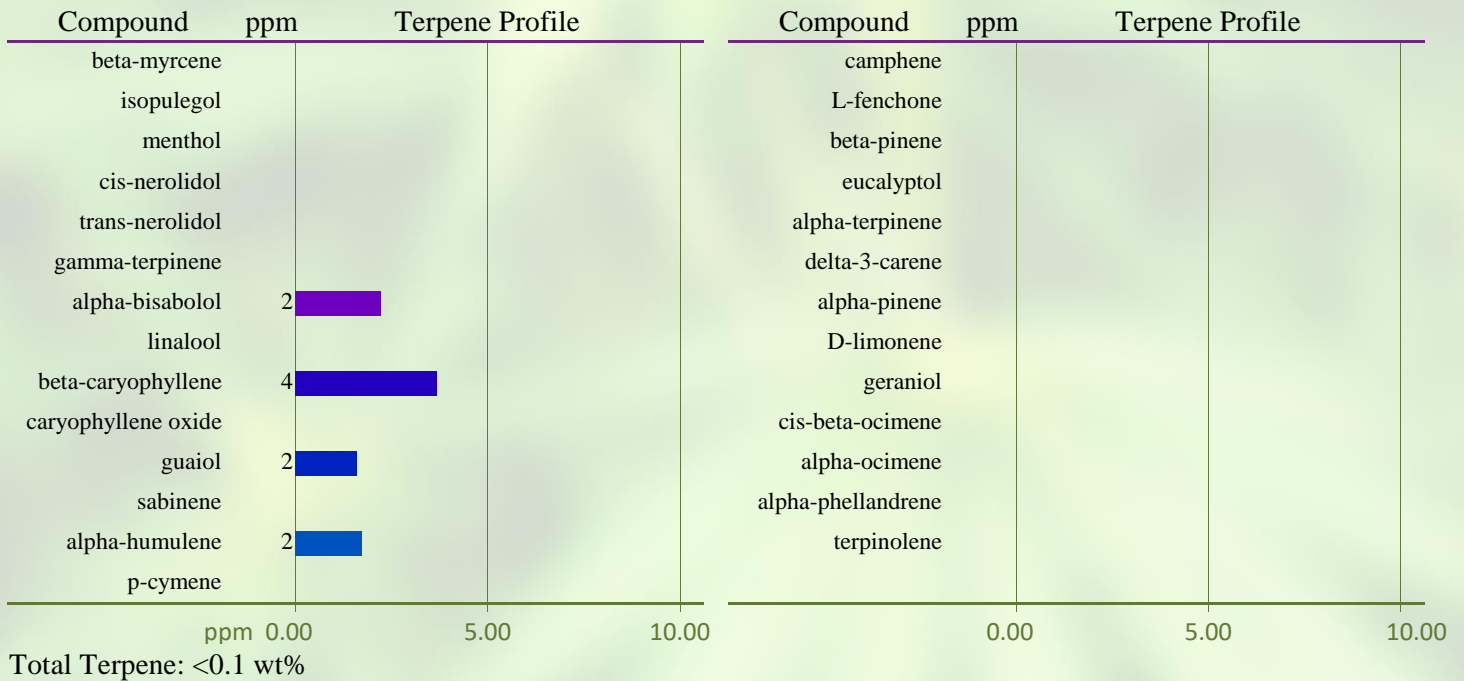
Note: All recorded pathogenic bacteria tests passed.

TP: Terpenes Profile [WI-10-27]

Analyst: CMA

Test Date: 8/6/2019

The client sample was analyzed by Head-Space Gas Chromatography (HS-GC). The collected data was compared to data collected for certified reference standards at known concentrations. All values are semiquantitative estimates based on recorded peak areas relative to terpene calibration data.

60622-TP

VC: Analysis of Volatile Organic Compounds [WI-10-28]

Analyst: CMA

Test Date: 8/6/2019

The client sample was analyzed by Head-Space Gas Chromatography (HS-GC). The collected data was compared to data collected for certified reference standards at known concentrations.

60622-VC

| Compound | CAS | Amount ¹ | Limit ² | RL | Status |
|--------------|----------|---------------------|--------------------|-----|--------|
| Propane | 74-98-6 | ND | 1,000 ppm | 200 | PASS |
| Isobutane | 75-28-5 | ND | 1,000 ppm | 200 | PASS |
| Butane | 106-97-8 | ND | 1,000 ppm | 200 | PASS |
| Methanol | 67-56-1 | ND | 3,000 ppm | 200 | PASS |
| Pentane | 109-66-0 | ND | 5,000 ppm | 200 | PASS |
| Ethanol | 64-17-5 | 241 ppm | 5,000 ppm | 200 | PASS |
| Acetone | 67-64-1 | ND | 5,000 ppm | 200 | PASS |
| Isopropanol | 67-63-0 | ND | 5,000 ppm | 200 | PASS |
| Acetonitrile | 75-05-8 | ND | 410 ppm | 200 | PASS |
| Hexane | 110-54-3 | ND | 290 ppm | 200 | PASS |
| Heptane | 142-82-5 | ND | 5,000 ppm | 200 | PASS |

1) ND = Not detected at a level greater than the Reporting Limit (RL).

2) In ppm, based on USP recommended limits for residual solvents, adopted by the Massachusetts Department of Public Health for cannabis concentrates and extracts on 3/31/16. Butane/Propane limits are based on limits established for state of Colorado.

(*) For ethanol, as many formulations contain flavorings based on ethanol extracts of natural products, no status has been assigned.

END OF REPORT