

SAMPLE NAME: Calm+

Other

CULTIVATOR / MANUFACTURER
Business Name:
License Number:
Address:
DISTRIBUTOR / TESTED FOR
Business Name: Silver Shadow
Ventures LLC

License Number:
Address:
SAMPLE DETAIL
Batch Number: C-922-11-23-1

Sample ID: 231128L015

Date Collected: 11/28/2023

Date Received: 11/28/2023

Batch Size:
Sample Size: 1.0 units

Unit Mass: 28 grams per Unit

Serving Size: 1.0769 grams per Serving


Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY
Total THC: 103.880 mg/unit

Total CBD: 5216.484 mg/unit

Sum of Cannabinoids: 6657.476 mg/unit

Total Cannabinoids: 6246.044 mg/unit

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:

$$\text{Total THC} = \Delta^9\text{-THC} + (\text{THCa} \cdot 0.877)$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} \cdot 0.877)$$

$$\text{Sum of Cannabinoids} = \Delta^9\text{-THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} +$$

$$\text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$$

$$\text{Total Cannabinoids} = (\Delta^9\text{-THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDa}) +$$

$$(\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) +$$

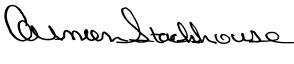

$$(\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$$
SAFETY ANALYSIS - SUMMARY
Pesticides: ✔ PASS
Residual Solvents: ✔ PASS
Heavy Metals: ✔ PASS
Microbiology (PCR): ✔ PASS
Microbiology (Plating): ND

For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

Sample Certification: California Code of Regulations Title 4 Division 19. Department of Cannabis Control Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

Decision Rule: Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT), too numerous to count >250 cfu/plate (TNTC), colony-forming unit (cfu)



 LQC verified by: Carmen Stackhouse
 Job Title: Senior Laboratory Analyst
 Date: 12/04/2023
 Approved by: Josh Wurzer
 Job Title: Chief Compliance Officer
 Date: 12/04/2023



Cannabinoid Analysis

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

TOTAL THC: 103.880 mg/unit

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: 5216.484 mg/unit

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 6246.044 mg/unit

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + Δ^8 -THC + CBL + CBN

TOTAL CBG: 90.972 mg/unit

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 718.228 mg/unit

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 92.624 mg/unit

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 12/01/2023

| COMPOUND | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g) | RESULT (%) |
|----------------------------|----------------|--------------------------------|---------------------|-----------------|
| CBDa | 0.001 / 0.026 | ±3.0653 | 107.934 | 10.7934 |
| CBD | 0.004 / 0.011 | ±3.4184 | 91.645 | 9.1645 |
| CBC | 0.003 / 0.010 | ±0.5962 | 18.514 | 1.8514 |
| CBCa | 0.001 / 0.015 | ±0.3101 | 8.138 | 0.8138 |
| Δ^9 -THC | 0.002 / 0.014 | ±0.1755 | 3.197 | 0.3197 |
| CBDV | 0.002 / 0.012 | ±0.0896 | 2.197 | 0.2197 |
| CBG | 0.002 / 0.006 | ±0.0922 | 1.901 | 0.1901 |
| CBGa | 0.002 / 0.007 | ±0.0350 | 1.537 | 0.1537 |
| CBDVa | 0.001 / 0.018 | ±0.0118 | 1.267 | 0.1267 |
| THCa | 0.001 / 0.005 | ±0.0104 | 0.585 | 0.0585 |
| CBN | 0.001 / 0.007 | ±0.0125 | 0.434 | 0.0434 |
| CBL | 0.003 / 0.010 | ±0.0154 | 0.418 | 0.0418 |
| Δ^8 -THC | 0.01 / 0.02 | N/A | ND | ND |
| THCV | 0.002 / 0.012 | N/A | ND | ND |
| THCVa | 0.002 / 0.019 | N/A | ND | ND |
| SUM OF CANNABINOIDS | | | 237.767 mg/g | 23.7767% |

Unit Mass: 28 grams per Unit / Serving Size: 1.0769 grams per Serving

| | |
|---------------------------------|--------------------|
| Δ^9 -THC per Unit | 89.516 mg/unit |
| Δ^9 -THC per Serving | 3.443 mg/serving |
| Total THC per Unit | 103.880 mg/unit |
| Total THC per Serving | 3.995 mg/serving |
| CBD per Unit | 2566.060 mg/unit |
| CBD per Serving | 98.693 mg/serving |
| Total CBD per Unit | 5216.484 mg/unit |
| Total CBD per Serving | 200.630 mg/serving |
| Sum of Cannabinoids per Unit | 6657.476 mg/unit |
| Sum of Cannabinoids per Serving | 256.051 mg/serving |
| Total Cannabinoids per Unit | 6246.044 mg/unit |
| Total Cannabinoids per Serving | 240.227 mg/serving |



Pesticide Analysis

Pesticide and plant growth regulator analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS) or gas chromatography-mass spectrometry (GC-MS).

*GC-MS utilized where indicated.

Method: QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS or QSP 1213 - Analysis of Pesticides by GC-MS

PESTICIDE TEST RESULTS - 12/04/2023 ✔ PASS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|--------------------|----------------|---------------------|--------------------------------|---------------|--------|
| Abamectin | 0.03 / 0.10 | 0.3 | N/A | ND | PASS |
| Azoxystrobin | 0.02 / 0.07 | 40 | N/A | ND | PASS |
| Bifenazate | 0.01 / 0.04 | 5 | N/A | ND | PASS |
| Bifenthrin | 0.02 / 0.05 | 0.5 | N/A | ND | PASS |
| Boscalid | 0.03 / 0.09 | 10 | N/A | ND | PASS |
| Chlorpyrifos | 0.02 / 0.06 | ≥ LOD | N/A | ND | PASS |
| Cypermethrin | 0.11 / 0.32 | 1 | N/A | ND | PASS |
| Etoxazole | 0.02 / 0.06 | 1.5 | N/A | ND | PASS |
| Hexythiazox | 0.02 / 0.07 | 2 | N/A | ND | PASS |
| Imidacloprid | 0.04 / 0.11 | 3 | N/A | ND | PASS |
| Malathion | 0.03 / 0.09 | 5 | N/A | ND | PASS |
| Myclobutanil | 0.03 / 0.09 | 9 | N/A | ND | PASS |
| Permethrin | 0.04 / 0.12 | 20 | N/A | ND | PASS |
| Piperonyl Butoxide | 0.02 / 0.07 | 8 | N/A | ND | PASS |
| Propiconazole | 0.02 / 0.07 | 20 | N/A | ND | PASS |
| Spiromesifen | 0.02 / 0.05 | 12 | N/A | ND | PASS |
| Tebuconazole | 0.02 / 0.07 | 2 | N/A | ND | PASS |
| Trifloxystrobin | 0.03 / 0.08 | 30 | N/A | ND | PASS |



Residual Solvents Analysis

Residual Solvent analysis utilizing gas chromatography-mass spectrometry (GC-MS).

Method: QSP 1204 - Analysis of Residual Solvents by GC-MS

RESIDUAL SOLVENTS TEST RESULTS - 12/02/2023 ✔ PASS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|--------------------------------------|----------------|---------------------|--------------------------------|---------------|--------|
| Propane | 10 / 20 | 5000 | N/A | ND | PASS |
| n-Butane | 10 / 50 | 5000 | N/A | ND | PASS |
| n-Pentane | 20 / 50 | 5000 | N/A | ND | PASS |
| n-Hexane | 2 / 5 | 290 | N/A | ND | PASS |
| n-Heptane | 20 / 60 | 5000 | N/A | ND | PASS |
| Benzene | 0.03 / 0.09 | 1 | N/A | ND | PASS |
| Toluene | 7 / 21 | 890 | N/A | ND | PASS |
| Total Xylenes | 50 / 160 | 2170 | N/A | ND | PASS |
| Methanol | 50 / 200 | 3000 | N/A | ND | PASS |
| Ethanol | 20 / 50 | 5000 | N/A | ND | PASS |
| 2-Propanol (Isopropyl Alcohol) | 10 / 40 | 5000 | N/A | ND | PASS |
| Acetone | 20 / 50 | 5000 | N/A | <LOQ | PASS |
| Ethyl Ether | 20 / 50 | 5000 | N/A | ND | PASS |
| Ethylene Oxide | 0.3 / 0.8 | 1 | N/A | ND | PASS |
| Ethyl Acetate | 20 / 60 | 5000 | N/A | ND | PASS |
| Chloroform | 0.1 / 0.2 | 1 | N/A | ND | PASS |
| Dichloromethane (Methylene Chloride) | 0.3 / 0.9 | 1 | N/A | ND | PASS |

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Residual Solvents Analysis

Continued

RESIDUAL SOLVENTS TEST RESULTS - 12/02/2023 *continued* ✔ PASS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|--------------------|----------------|---------------------|--------------------------------|---------------|--------|
| Trichloroethylene | 0.1 / 0.3 | 1 | N/A | ND | PASS |
| 1,2-Dichloroethane | 0.05 / 0.1 | 1 | N/A | ND | PASS |
| Acetonitrile | 2 / 7 | 410 | N/A | ND | PASS |



Heavy Metals Analysis

Heavy metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS).

Method: QSP 1160 - Analysis of Heavy Metals by ICP-MS

HEAVY METALS TEST RESULTS - 12/02/2023 ✔ PASS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|----------|----------------|---------------------|--------------------------------|---------------|--------|
| Arsenic | 0.02 / 0.1 | 1.5 | N/A | ND | PASS |
| Cadmium | 0.02 / 0.05 | 0.5 | N/A | ND | PASS |
| Lead | 0.04 / 0.1 | 0.5 | N/A | ND | PASS |
| Mercury | 0.002 / 0.01 | 3 | N/A | ND | PASS |



Microbiology Analysis

PCR AND PLATING

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbiological contaminants.

Method: QSP 1221 - Analysis of Microbiological Contaminants

MICROBIOLOGY TEST RESULTS (PCR) - 12/03/2023 ✔ PASS

| COMPOUND | ACTION LIMIT (cfu/g) | RESULT (cfu/g) | RESULT |
|---|----------------------|----------------|--------|
| Shiga toxin-producing <i>Escherichia coli</i> | Not Detected in 1g | ND | PASS |
| <i>Salmonella</i> spp. | Not Detected in 1g | ND | PASS |
| Bile-Tolerant Gram-Negative Bacteria | | ND | |
| <i>Staphylococcus aureus</i> | | ND | |

Analysis conducted by 3M™ Petrifilm™ and plate counts of microbiological contaminants.

Method: QSP 6794 - Plating with 3M™ Petrifilm™

MICROBIOLOGY TEST RESULTS (PLATING) - 12/03/2023 **ND**

| COMPOUND | RESULT (cfu/g) |
|------------------------|----------------|
| Total Aerobic Bacteria | ND |
| Total Yeast and Mold | ND |